PARTS BOOK

MASSEY-FERGUSON

MF 65 TRACTOR

NORTH AMERICAN PARTS OPERATIONS

Massey-Ferguson Inc.

FORM NO. 690 237 M5

GENERAL INFORMATION

THIS BOOK IS PRINTED IN TWO SECTIONS. THE FIRST SECTION CONTAINS A PICTORIAL AND GROUP INDEX PLUS A NUMERICAL INDEX OF ALL PART NUMBERS INCLUDED IN THIS BOOK. THE PAGES IN THIS SECTION ARE NUMBERED WITH ROMAN NUMERALS.

THE LISTING SECTION INCLUDES A PART NUMBER LISTING REFERENCED TO ITEM NUMBERS ON THE ILLUSTRATED PAGE DIRECTLY OPPOSITE. PAGES IN THIS SECTION ARE NUMBERED WITH ARABIC NUMERALS.

THE PAGE NUMBERS APPEAR IN THE UPPER OUTER CORNER OF THE PAGE. PARTS BOOK NUMBER AND DATE WILL APPEAR AT THE LOWER RIGHT HAND CORNER OF THE PAGE. ODD NUMBERED PAGES WILL ALSO CARRY THE MACHINE NAME TO ASSIST IN IDENTIFYING THE MACHINE TO WHICH THE PARTS BOOK APPLIES.

WHEN CHANGES TO THE MACHINE MAKE IT NECESSARY, REVISED PAGES FOR THIS BOOK WILL BE ISSUED. THE REVISED PAGES WILL BE ISSUED WITH THE SAME PAGE NUMBER AS THOSE THEY REPLACE AND THE "ISSUE" NUMBER AND DATE WILL BE ADVANCED.

FROM TIME TO TIME CHANGE INFORMATION WILL BE ISSUED IN THE FORM OF A "PARTS RELEASE AND CHANGE BULLETIN." INFORMATION FROM THESE BULLETINS SHOULD BE ENTERED IN THE PROPER PAGES AS SOON AS THE BULLETINS ARE RECEIVED.

WHENEVER A PAGE OF THIS BOOK IS RE-ISSUED, THE CURRENT PAGE LISTING WILL ALSO BE RE-ISSUED. THIS LISTING WILL SHOW THE ISSUE NUMBER AND DATE OF ISSUE OF EACH PAGE AS A CHECK SHEET COVERING THE ENTIRE BOOK.

IT IS IMPERATIVE THAT REVISED PARTS BOOK PAGES BE INSERTED INTO THEIR RESPECTIVE PARTS BOOKS AS SOON AS RECEIVED. FAILURE TO DO SO WILL LEAD TO CONFUSION AND DEFEAT THE PURPOSE OF THE BOOK.

INDENTED PARTS IN THE DESCRIPTIVE LIST ARE A PART OF THE PRECEDING ASSEMBLY OR SUB-ASSEMBLY.

THE QUANTITY SHOWN IN THE "NUMBER REQUIRED" COLUMN IS THE NUMBER OF PARTS USED ON A MACHINE EXCEPT WHERE PARTS ARE INDENTED IN DESCRIPTIVE LIST. IN THIS CASE THE QUANTITY SHOWN IS THE NUMBER REQUIRED FOR THE PRECEDING ASSEMBLY OR SUB-ASSEMBLY.

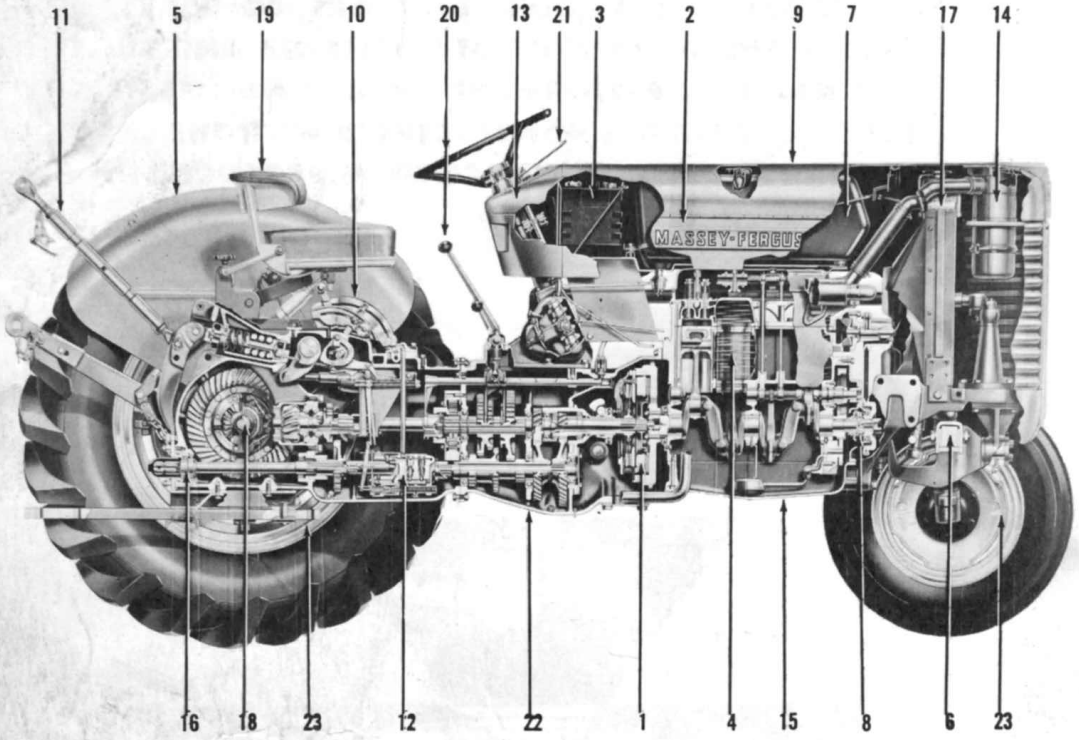
FOR CERTAIN PARTS SUCH AS BOLTS, NUTS, WASHERS, SHIMS, ETC. AN "X" WILL BE SHOWN IN THE "NUMBER REQUIRED" COLUMN. THIS "X" INDICATES THAT THE QUANTITY TO BE USED IS "AS REQUIRED."

FOREWORD

MASSEY-FERGUSON TRACTORS, COMBINES, BALERS AND IMPLEMENTS ARE DESIGNED AND BUILT FOR MAXIMUM PERFORMANCE AND LONG LIFE. ALL SERVICE PARTS ARE MANUFACTURED WITH THE SAME CARE AND PRECISION EXERCISED IN PRODUCTION.

STOCK AND SELL ONLY MASSEY-FERGUSON PARTS

YOUR CUSTOMER EXPECTS IT OF YOU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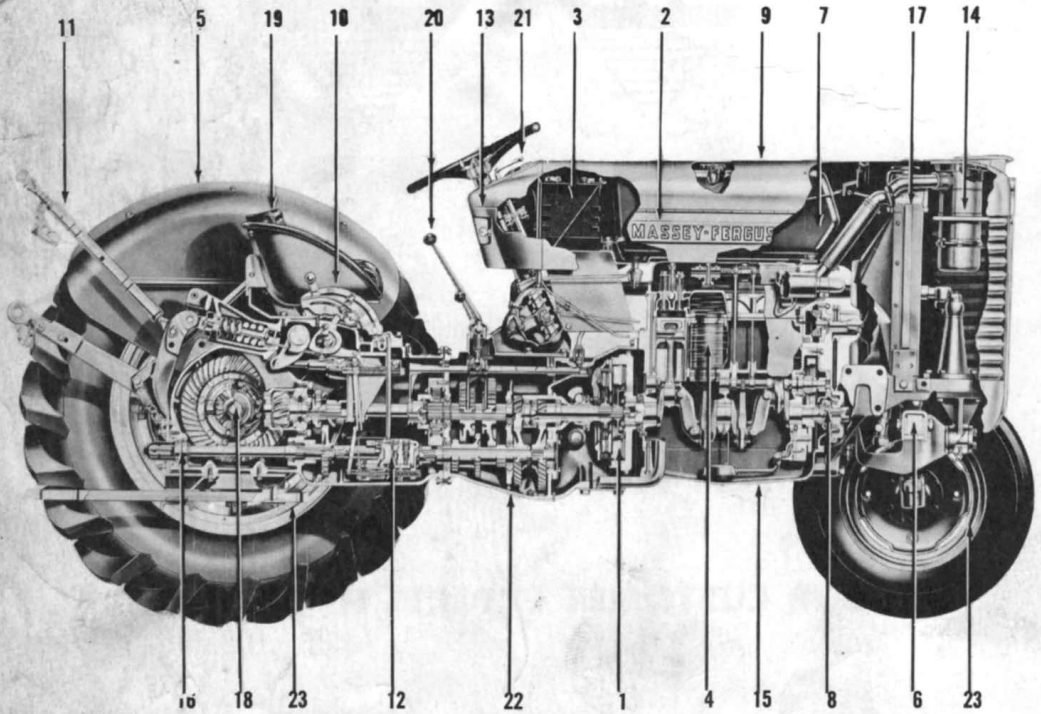
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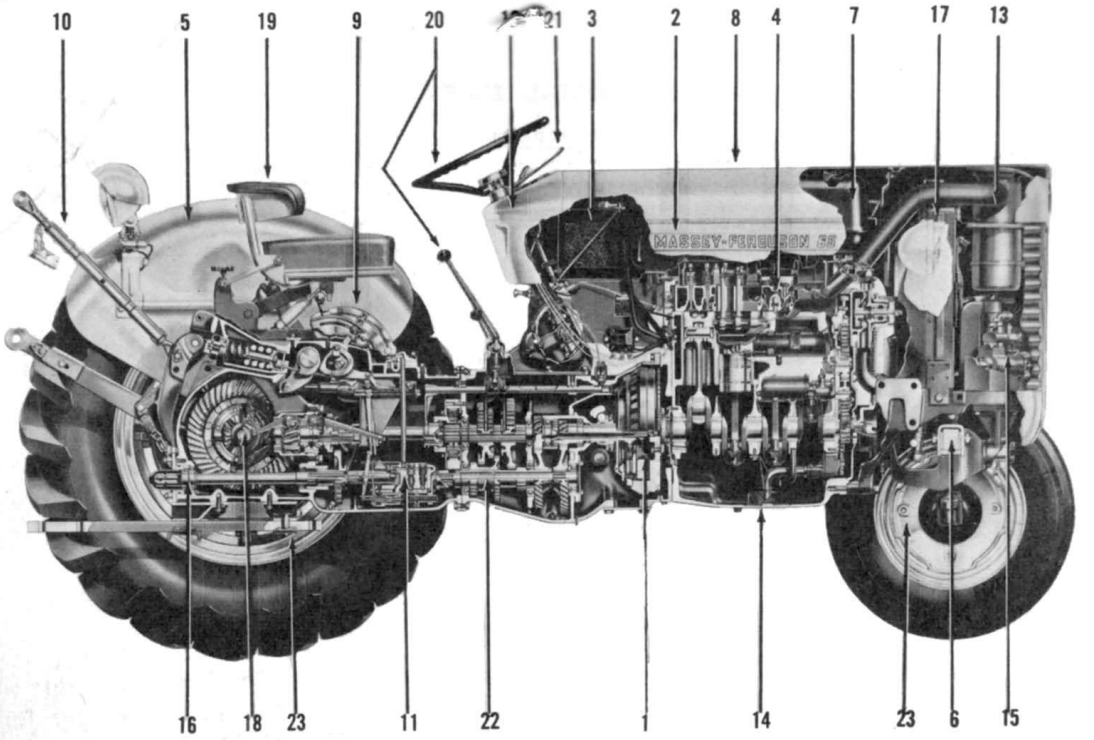
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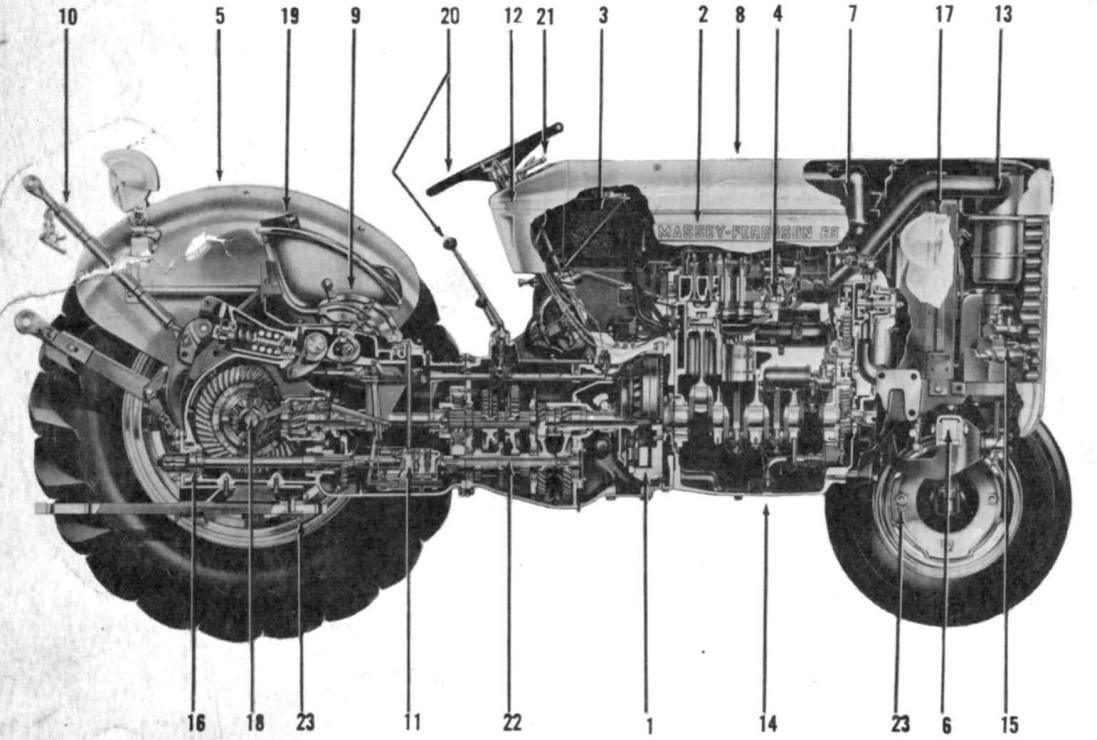
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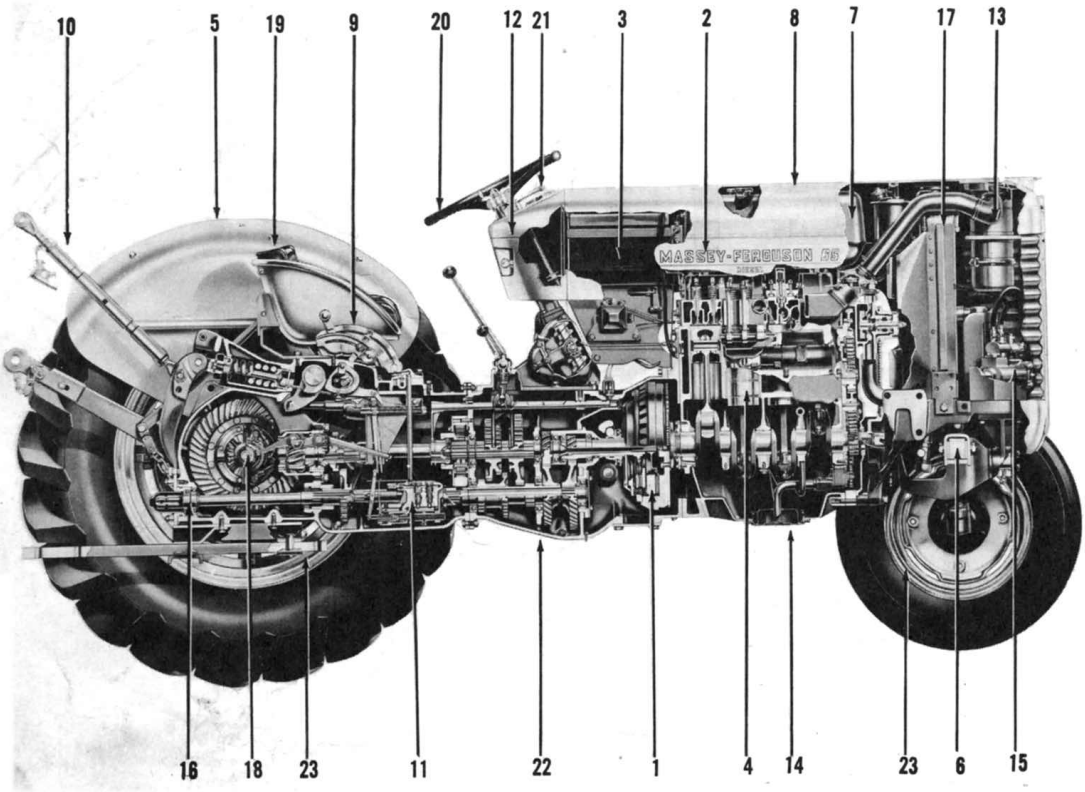

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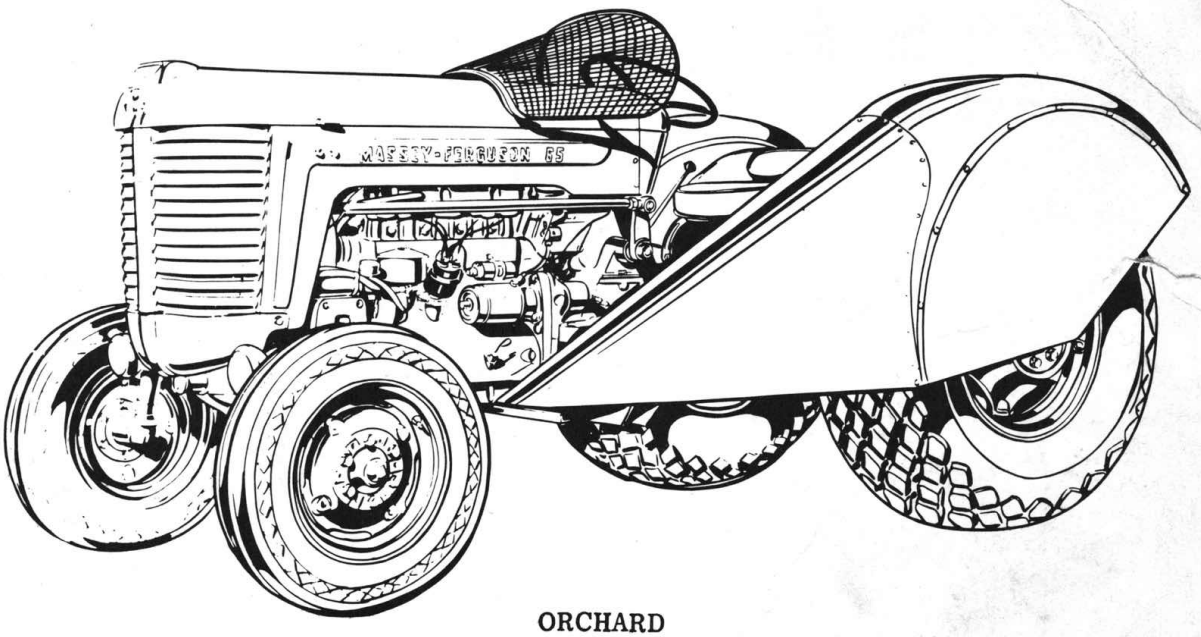

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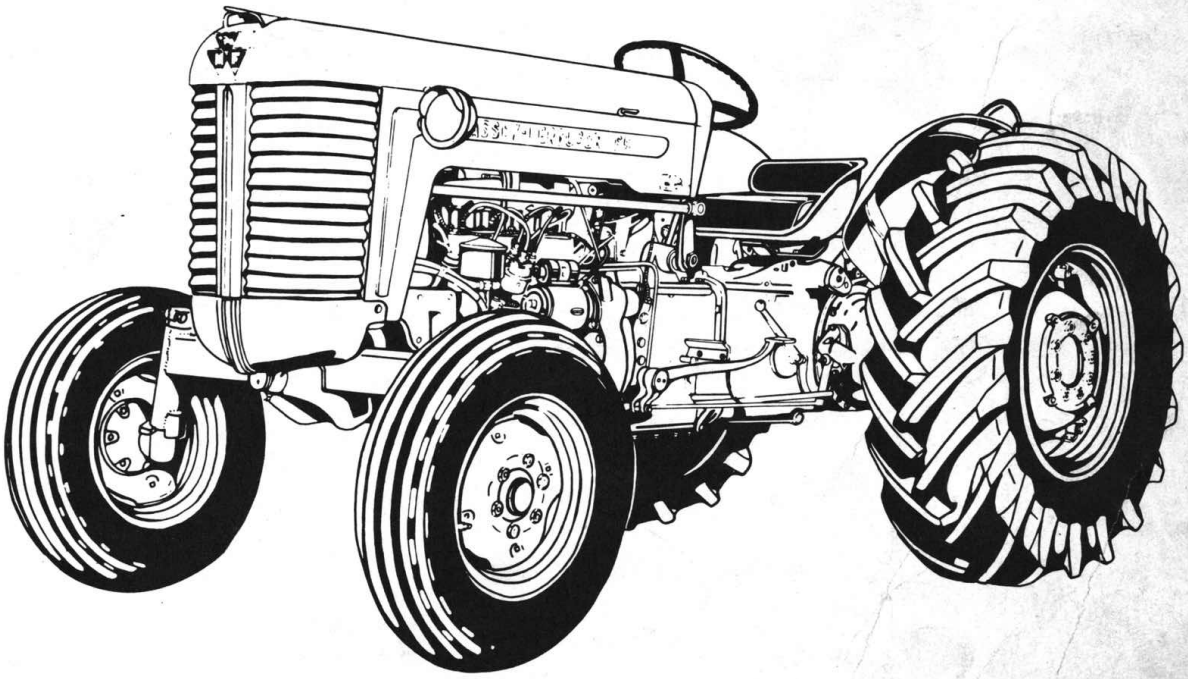

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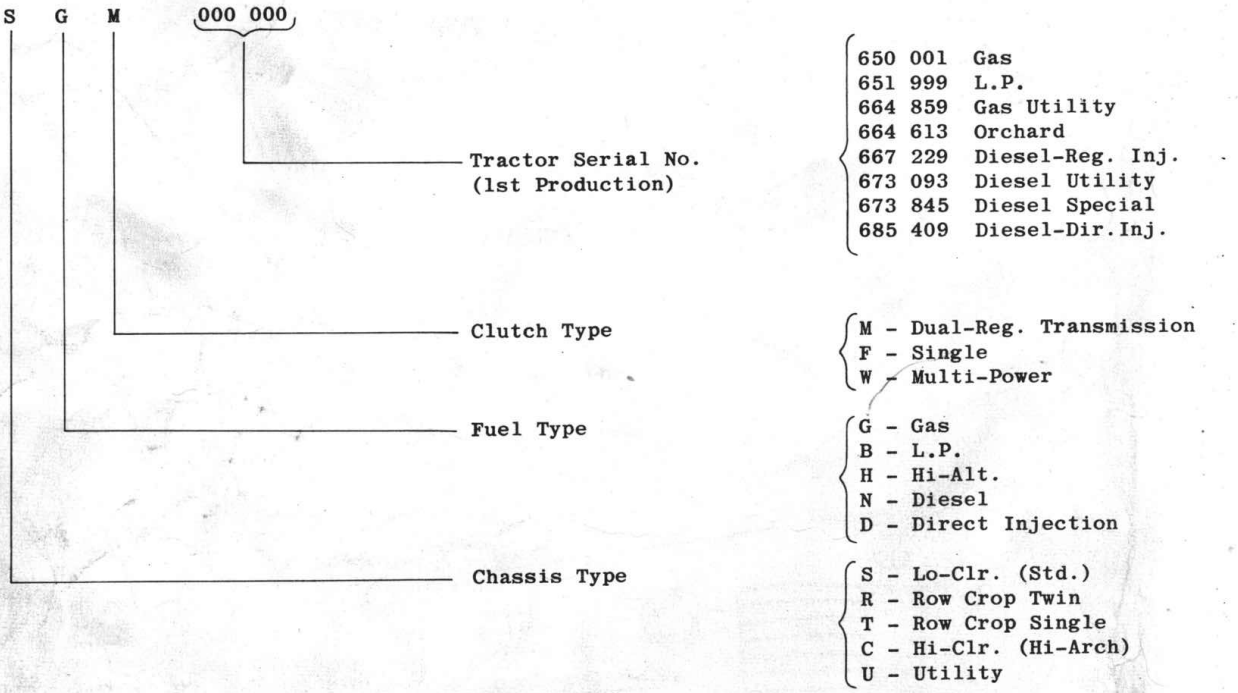

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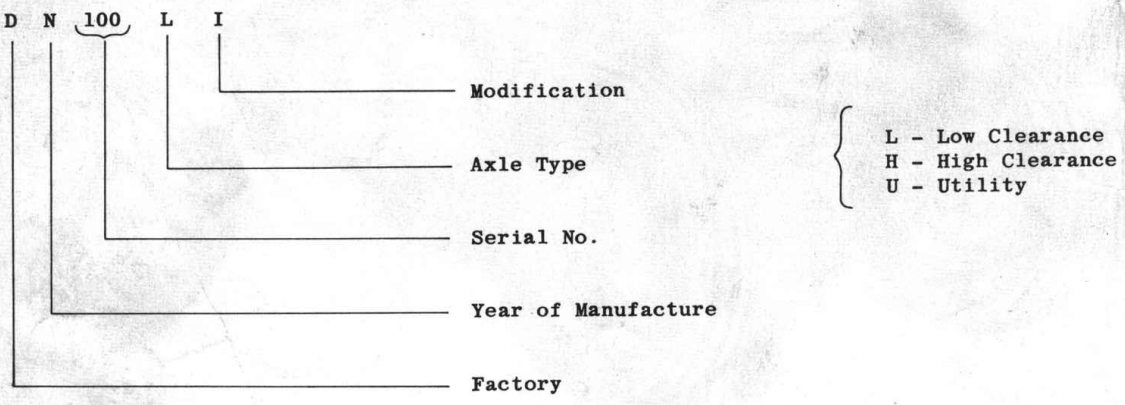

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C.A.V. SERVICE STATIONS

UNITED STATES

FACTORY BRANCHES

CALIFORNIA

LOS ANGELES

SOUTH SAN FRANCISCO

COLORADO

DENVER

FLORIDA

JACKSONVILLE

ILLINOIS

CHICAGO

MARYLAND

BALTIMORE

MASSACHUSETTS

BOSTON

NEW JERSEY

ENGLEWOOD

TEXAS

HOUSTON

WASHINGTON

SEATTLE

DEALERS

ALABAMA

BIRMINGHAM
- Birmingham Electric Battery Company
- Industrial Hydraulics

MOBILE
- Benson-Saunders Specialty Inc.

ALASKA

SPENARD
- Alaska Diesel Service Inc.

ARIZONA

CASA GRANDE
- Diesel Electric Service Company

PHOENIX
- Southwest Diesel Injection Co.

ARKANSAS

DE WITT
- Graves Electric Company

JONESBORO
- Northeast Diesel

NORTH LITTLE ROCK
- Taylor Diesel Service

SPRINGDALE
- Diesel Service & Supply, Inc.

CALIFORNIA

BAKERSFIELD
- Automotive Diesel & Electric Co.

EL CENTRO
- Valley Automotive & Diesel Service

CALIFORNIA - Dealers Cont'd.

EL MONTE
- United Diesel Service

FRESNO
- Diesel Energy company
- Rutter Armey Bearing and Machine Works

LONG BEACH
- Advance Fuel Systems

OAKLAND
- Diesel Injection & Governor Service

SACRAMENTO
- Diesel Pump & Injector Service

SAN DIEGO
- Diesel Electric Sales & Service, Inc.
- National Pump & Injector Sales & Service

WILMINGTON
- Diesel Control Corporation

COLORADO

GREELEY
- Fred's Auto Machine Shop
- Diesel's Inc.

CONNECTICUT

HARTFORD
- W. J. Connell Company

NEW HAVEN
- Clark-Sons, Inc.

DELAWARE

MILTON
- Benson Fuel Injection Company

WILMINGTON
- Philadelphia Diesel Inc.

DISTRICT OF COLUMBIA

WASHINGTON
- Auto Equipment Company

FLORIDA

FORT LAUDERDALE
- R.P.M. Diesel Engine Company

FORT MYERS
- Gulf Coast Diesel Injection Service

MIAMI
- Florida Diesel & Electric Co.
- Small Engine & Diesel Inc.

OCALA
- Williams Diesel Carburetor & Electric

ORLANDO
- Interstate Diesel Service

TAMPA
- Stuart Diesel Service

C.A.V. SERVICE STATIONS

UNITED STATES

GEORGIA

ATLANTA
Auto Electric & Magneto Co.

CAIRO
Grady Motors

WAYCROSS
Motor Parts Company

HAWAII

HONOLULU
Diesel Injector Service

Hawaiian Equipment Co. Ltd.

IDAHO

BOISE
Magneto & Diesel Supply

TWIN FALLS
United Automotive Service Inc.

ILLINOIS

FRANKLIN PARK
United Diesel Service, Inc.

MENDOTA
Mendota Diesel & Truck Service

PEORIA
Automotive Ignition Company

SOUTH BELOIT
Fuel Injection & Accessory Service

INDIANA

EVANSVILLE
Evansville Auto Parts, Inc.

INDIANAPOLIS
Eagle Machine Co., Inc.

MENTONE
Smith Brothers Garage

IOWA

CEDAR RAPIDS
Van's Fuel Injector Service

DES MOINES
Electrical Service & Sales Co.

KEOKUK
Harding Diesel Injector Service

SIOUX CITY
Diesel Specialties Inc.

KANSAS

COLBY
Colby Diesel Service

GREAT BEND
Bell Engine Service

GRINNELL
Grinnell Electric Diesel Service

HUTCHINSON
Hutchinson Diesel Service

KANSAS - cont'd.

KANSAS CITY
Automotive & Diesel Equip. Service

PLAINVILLE
Carmichael Magneto & Diesel Service

SALINA
The Motor Service Co.

KENTUCKY

LOUISVILLE
Diesel Injection Service Co.

LOUISIANA

BATON ROUGE
Womack Brothers Diesel Service

MORGAN CITY
Landry & Simoneaux Diesel Service Inc.

NEW IBERIA
Arthur A. Castille

NEW ORLEANS
Gerhardt's Inc.

OPELOUSAS
J. L. Herbert Engine Sales & Service

SHREVEPORT
Vaughn & Bush, Inc.

WEST MONROE
McQueen's Injection Service

MAINE

CARIBOU
Belanger's Auto Electric Co.

PORTLAND
W.J. Connell Company

MARYLAND

GLEN BURNIE
Maryland Diesel Service, Div. of
Parks & Hull Automotive Corporation

MASSACHUSETTS

SPRINGFIELD
C. A. Krohne & Sons

MICHIGAN

DETROIT
Auto Electric & Service Corporation

GRAND RAPIDS
Diesel Parts Co., Inc.

Peninsular Engineering & Sales Inc.

IRON RIVER
David A. MacPherson

ISHPEMING
Andriacchi Magneto Co.

LANSING
Diesel Equipment Sales

C.A.V. SERVICE STATIONS

UNITED STATES

MINNESOTA

HIBBING
Diesel Service Company

MINNEAPOLIS
Diesel Service & Supply

MISSISSIPPI

BILOXI
Womack Brothers, Inc.

GREENVILLE
J. & H. Diesel Service

JACKSON
Womack Brothers, Inc.

MERIDIAN
Diesel Fuel Injection Service

MISSOURI

JOPLIN
Joplin Diesel Injection Sales & Service

KANSAS CITY
Electrical and Magneto Service Co., Inc.

ST. LOUIS
Diesel Fuel Injection Service, Inc.

MONTANA

BILLINGS
Original Equipment, Inc.

GREAT FALLS
Gomer & Son

HARVE
Midwest Diesel Injection Sales & Service

MISSOULA
Gas Diesel & Truck Shop

SHELBY
Berube Electric

NEBRASKA

BEATRIC
Sprague Electric Service

COLUMBUS
Automotive Sales & Service

GORDON
Modern Equipment Diesel Service

HASTINGS
Fobben Diesel Service

KIMBALL
Diesel Service Inc.

LINCOLN
Carl A. Anderson, Inc.

McCOOK
Automotive Sales & Service

NORFOLK
Looker's, Inc.

NORTH PLATTE
Reitan Service Co.

NEBRASKA - cont'd.

OMAHA
Carl A. Anderson, Inc.

NEVADA

LAS VEGAS
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NEW JERSEY

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Jersey Diesel Sales

NEWARK
Tire Trading Company, Inc.

ROCHELLE PARK
Eastern Process Co., Inc.

NEW MEXICO

ALBUQUERQUE
Central Auto Electric Company

NEW YORK

BUFFALO
Donnelly Diesel Service, Inc.

Hettrich Electric Service, Inc.

BROOKLYN
A & D Diesel Service, Inc.

EAST NORTHPORT
Diesel Injection Service

LYNBROOK
East Coast Diesel Co.

NEWBURGH
Kozaczek Brothers

ROCHESTER
Union Carburetor and Ignition Service

SYRACUSE
Ted's Electrical Services

NORTH CAROLINA

CHARLOTTE
Diesel Injection Sales & Service

RALEIGH
Diesel Injection Sales & Service

NORTH DAKOTA

BISMARCK
Meld, Inc.

FARGO
Midland Diesel Service & Engine Co.

GRAND FORKS
Midland Diesel Service & Engine Co.

MINOT
Midland Diesel Service & Engine Co.

OHIO

AKRON
Austin Ignition Company
Standard Motor Parts

CINCINNATI
Diesel Injection Service Co.

C.A.V. SERVICE STATIONS

UNITED STATES

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CLEVELAND
The Cleveland Ignition Co.
Fluid Mechanics

COLUMBUS
Brooks Ignition & Diesel Service

COLUMBUS GROVE
Northwest Fuel Injection

DAYTON
John's Specialized Service

DOVER
Warther's Auto Electric

TOLEDO
Diesel Truck Equipment

OKLAHOMA

CHICKASHA
Diesel Pump Service Co.

OKLAHOMA CITY
American Electric Ignition Co.

TULSA
Magneto Ignition Company

OREGON

PORTLAND
Automotive Products, Inc.

ROSEBURG
Diesel Injection Service

PENNSYLVANIA

ALLENTOWN
Fuel Injection Sales & Service Co.

ERIE
A. R. Beatty Diesel Sales and Service

HARRISBURG
Penn Diesel Service

HAZLETON
Penn Diesel Service

PHILADELPHIA
Philadelphia Diesel Inc.

PITTSBURGH
Automotive Ignition Co., Inc.

SOUTH CAROLINA

CHARLESTON
Diesel Injection Sales & Service

CHARLESTON HEIGHTS
Diesel Engineers, Inc.

COLUMBIA
Diesel Injection Sales & Service

SOUTH DAKOTA

WINNER
Shamrock Diesel Service

TENNESSEE

CHATTANOOGA
Auto Diesel Sales & Service Co., Inc.

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JOHNSON CITY
Auto Diesel Sales & Service Co.

KNOXVILLE
Auto Diesel Sales & Service

MEMPHIS
Automotive Electric Service Co., Inc.
M & M Fuel Injections
Taylor Diesel Service

NASHVILLE
Auto Diesel Sales & Service Co.

TEXAS

AMARILLO
Wilson Battery & Electric

BROWNSVILLE
Diesel Fuel Injection Service

CORPUS CHRISTI
Diesel Injection Service

DALLAS
Texas Fuel Injection Service

EL PASO
Border Electrical Division
Central Auto Electric Co.

ODESSA
Electric Service & Supply

SAN ANTONIO
Monroe Diesel & Injector Service

TYLER
East Texas Fuel Injection

UTAH

SALT LAKE CITY
Diesel Electric Service & Supply Co.

VERNAL
Superior Diesel Service

VIRGINIA

FALLS CHURCH
Diesel Injection Sales & Service

HARRISONBURG
Valley Distributors, Inc.

NORFOLK
Diesel Injection Sales & Service

RICHMOND
Diesel Injection Sales & Service

SALEM
Diesel Injection Sales & Service

WASHINGTON

SPOKANE
Spokane Diesel, Inc.

C.A.V. SERVICE STATIONS

UNITED STATES

WEST VIRGINIA

CLARKSBURG
Craig Motor Service Co., Inc.

GREEN BAY
Lucia Auto Motive Inc.

WISCONSIN

MADISON
Diesel Injection Service

MAUSTON
Young Brothers, Inc.

MILWAUKEE
Fuel Injection & Electric Co.

WAUSAU
Young Brothers, Inc.

PUERTO RICO

SAN TURCE
Tecno-Diesel

CANADA

FACTORY BRANCHES
JOSEPH LUCAS (CANADA) LTD.

ONTARIO

TORONTO (Scarborough)

QUEBEC

MONTREAL

DEALERS

ALBERTA

CALGARY
Hutton's Limited

EDMONTON
Loveseth Limited

Smith's Battery & Electric Ltd.

United Diesel Injection Ltd.

LETHBRIDGE
Hutton's Limited

MEDICINE HAT
Hutton's Limited

BRITISH COLUMBIA

CRANBROOKE
Hutton's (Cranbrook) Limited

VANCOUVER
Auto Electric Service (Pacific) Ltd.

Fred Holmes Fuel Injection Sales & Service Ltd.

MANITOBA

SIDNEY
Sidney Auto Electric

WINNIPEG
Auto Electric Service (Western) Ltd.

Brown & Murray Ltd.

Pritchard Engineering Co., Ltd.

NEW BRUNSWICK

FREDERICTON
Stairs Brothers

NEWFOUNDLAND

ST. JOHN'S
A. H. Murray & Co. Ltd.

Newfoundland Armature Works Ltd.

Steel & Engine Products Ltd.

NOVA SCOTIA

HALIFAX
Stairs Brothers

LIVERPOOL
Steel & Engine Products Ltd.

ONTARIO

HAMILTON
Hamilton Auto Supply

KINGSTON
Diesel Injection Service of Kingston

LONDON
Universal Ignition & Battery Ltd.

OTTAWA
Diesel Injection Service (Ottawa)

PORT ARTHUR
Lakehead Diesel Services Limited

SUDBURY
Yuill & Craig Auto Electric Ltd.

TORONTO
Addison Auto Electric (Toronto) Ltd.

Auto Electric Service Co. Ltd.

Diesel & Automotive Service

Joseph Lucas (Canada) Limited

Diesel Equipment Ltd.

QUEBEC

MONTREAL
J. A. Faguy & Sons

Joseph Lucas (Canada) Ltd.

John Millen & Son Ltd.

QUEBEC
John Millen (Quebec) Ltd.

Marcel Rochette Ltd.

POINT VIAU
Montreal Diesel Fuel Pump

ST. HYACINTHE
Maska Auto Electric

SHERBROOKE
Crankshaft Grinding & Diesel Inc.

John Millen (Sherbrooke) Ltd.

THREE RIVERS
John Millen (Three Rivers) Ltd.

SASKATCHEWAN

REGINA
Diesel Injection Service (Regina) Ltd.

Electric Motor Service

SASKATOON
Lambert Electric Ltd.
Robinson Fuel Injection

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1 023049 M1	349	1 025028 M1	45	1 028526 M1	59	1 650338 M1	63,095,097
1 023050 M1	349	1 025029 M1	45	1 028528 M1	339	1 650476 M1	115
1 023051 M1	349	1 025032 M1	45	1 028565 M91	151	1 750034 M1	5,377
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1 023053 M1	195	1 025376 M91	59	1 028568 M91	155	1 750080 M1	17,019
1 023056 M1	195	1 025377 M1	59	1 028571 M1	155	1 750083 M91	17,019
1 023057 M1	195	1 025378 M91	59	1 028572 M1	49,051,055	1 750084 M91	11,017,019
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1 023060 M1	195	1 025562 M1	197,201	1 028574 M91	51,055	1 750111 M1	9
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1 024167 M91	313	1 026181 M91	3	1 030583 M1	59,153,155	1 750396 M1	49,051,053
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1 850588 M91	193	1 851819 M1	81	1 880900 M91	81		
1 850827 M1	91	1 851820 M1	81	1 881527 M1	347		
1 850931 M91	125	1 851824 M1	81	1 881576 M1	81,113		
1 850932 M1	125	1 851842 M1	125	1 881577 M1	81,113		
1 850933 M1	125	1 851843 M1	125	1 881624 M91	81,113		
1 850934 M1	125	1 851852 M1	93,129	1 881644 M1	73,075		
1 850935 M1	125	1 851853 M1	93,129	1 881779 M1	81,113		
1 850938 M1	125	1 851854 M1	93,129	1 882944 M91	91		
1 850942 M1	205	1 851855 M1	93,129	1 883234 M91	91		
1 850943 M1	205	1 851857 M1	93	1 883235 M91	91		
1 850944 M1	205	1 851858 M1	93,129	1 884244 M1	193		
1 850945 M1	205	1 851859 M1	93,129	1 884516 M91	63		
1 850946 M1	205	1 851860 M1	93,129	GA 1773	321,323		
1 850947 M1	205	1 851865 M1	93	GH 2625	15		
1 850948 M1	205	1 851866 M1	93	MP 1056	245		
1 850949 M1	205	1 851871 M1	93,129				
1 850950 M1	205	1 851875 M1	93,129				
1 850951 M1	205	1 851877 M91	129				
1 850952 M1	205	1 851879 M1	93,129				
1 850954 M91	205	1 851880 M1	93,129				
1 850955 M1	205	1 851881 M1	93,129				
1 850956 M1	205	1 851882 M1	93,129				
1 850957 M1	205	1 851884 M1	129				
1 850958 M1	205	1 851887 M1	89,127				
1 850959 M1	205	1 851889 M1	89,127				
1 850961 M91	203	1 851890 M1	89,127				
1 850962 M1	203	1 851891 M1	89,127				
1 850964 M1	203	1 851895 M1	127				
1 850971 M1	203	1 851896 M1	127				
1 850975 M91	203	1 851899 M1	127				
1 850976 M1	203	1 851900 M1	127				
1 850977 M1	203	1 851901 M1	127				
1 850978 M91	203	1 851902 M1	127				
1 850980 M1	203	1 851904 M1	127				
1 850982 M1	203	1 851905 M1	127				
1 850983 M1	203	1 851906 M1	127				
1 850985 M1	203	1 851908 M1	127				
1 851546 M1	203	1 851909 M1	127				
1 851653 M91	143	1 851942 M1	129				
1 851744 M1	125	1 851944 M1	93,129				
1 851747 M1	73,075,107	1 851945 M1	129				
1 851748 M1	85,117	1 851946 M1	129				
1 851752 M91	73,075,107	1 851951 M1	129				
1 851761 M91	125	1 851952 M1	129				
1 851764 M1	63,095,097	1 851954 M1	129				
1 851766 M1	113,081	1 851957 M1	129				
1 851767 M1	113	1 851974 M1	129				
1 851768 M1	113	1 851975 M1	129				
1 851770 M1	91	1 852029 M1	91				
1 851774 M1	113	1 852045 M1	91				
1 851776 M1	91	1 852156 M1	203				
1 851777 M1	113	1 852158 M1	203				
1 851779 M1	81,113	1 852250 M91	81,113				
1 851780 M1	81,113	1 852251 M91	113,081				
1 851781 M1	91	1 852322 M1	91				
1 851782 M1	91	1 852491 M1	89				
1 851783 M1	91	1 852535 M1	193				
1 851785 M1	113	1 852536 M1	193				
1 851786 M1	91	1 852621 M1	81,113				
1 851788 M1	91	1 852622 M1	81,113				
1 851789 M1	113	1 852639 M1	193				
1 851791 M1	91	1 852680 M91	193				
1 851802 M2	119	1 852686 M91	253				
1 851811 M1	81	1 852741 M1	129				
1 851813 M1	81	1 852748 M1	129				
1 851814 M1	81	1 852770 M1	81,113				
1 851815 M1	81,113	1 852806 M91	193				

Printed in U.S.A. 1st Print MF 65 TRACTOR 690 237 M5 (Issue 1) 3/66

ALUMINUM DISTRIBUTOR HOUSING

An aluminum distributor housing is being used on all MF Gas and LPG Tractor Engines, except the MF Super 90. It will eliminate the present "O" ring seal at the distributor housing base, therefore changing the design of the engine block.

The new type distributor housing cannot be used on the old style engine block.

When it becomes necessary to service older tractors with the new style engine block it will also be necessary to install a new style distributor housing, clamp and gasket.

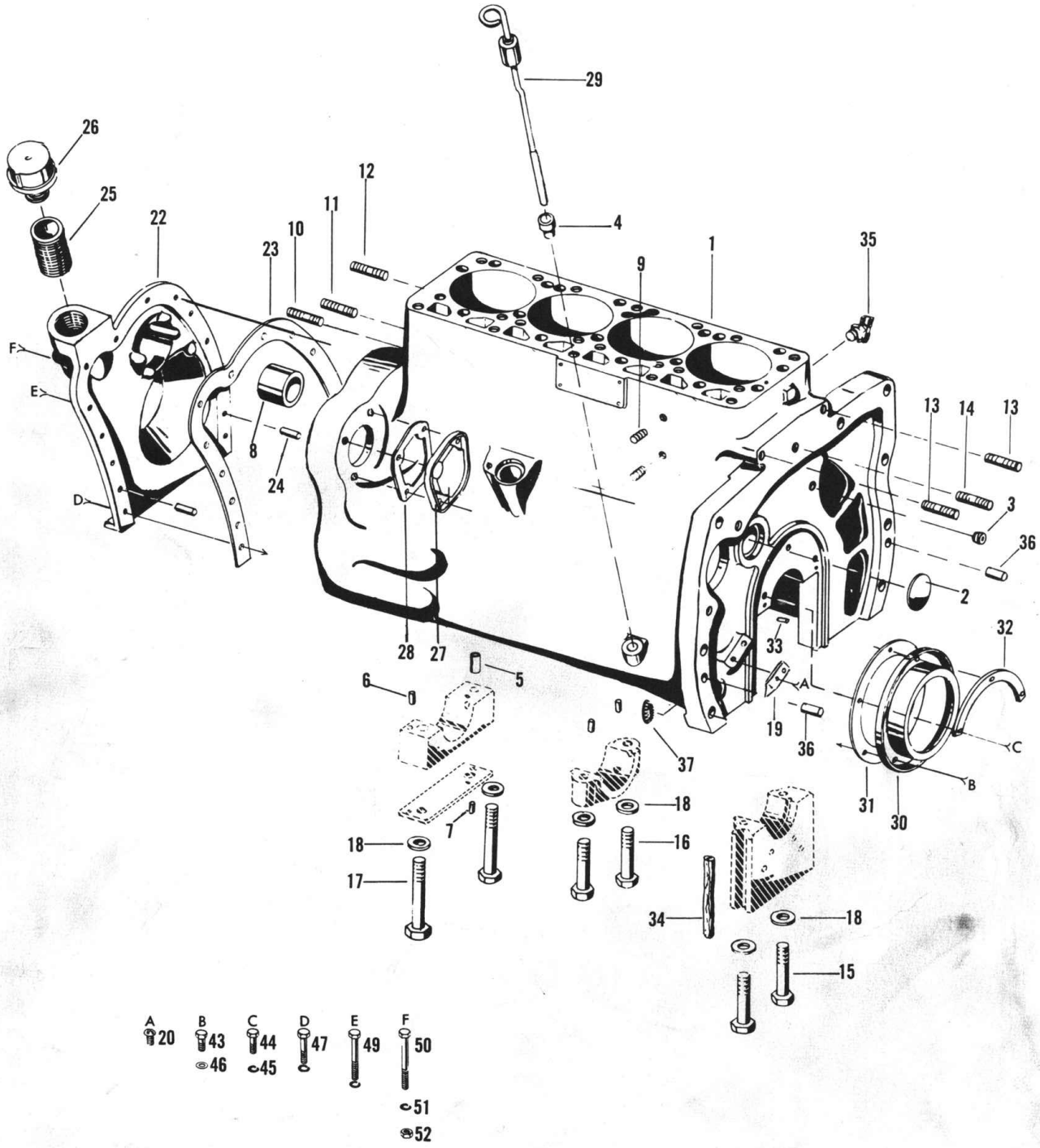
The serial numbers when this took place are listed below.

NAME	NUMBER
MF-35 - Agricultural	245-033
MF-35 - Utility	655001052
MF-35 - Turf	656000452
MF-50	536-249
MF-65	702-826
MF-202	308-962
MF-204	343-688
MF-302	119700082
MF-304	119750053
MF-356	670001025

FROM SERVICE BULLETIN NO. 64-2

CYLINDER BLOCK AND ATTACHING PARTS

F366-3



CYLINDER BLOCK AND ATTACHING PARTS

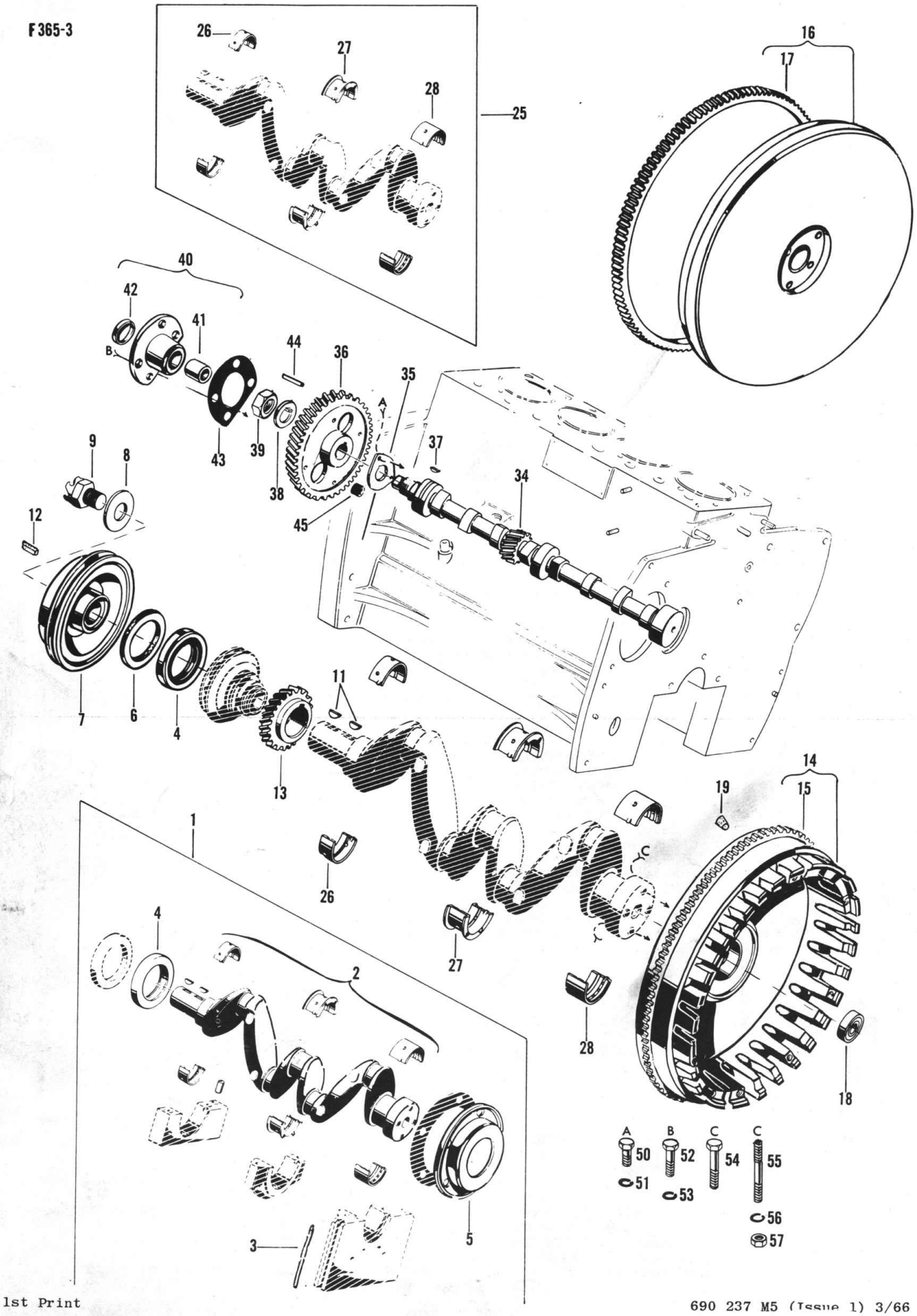
GAS AND L.P.

Ref. No.		Part No.	Description	No. Req.
	(A)	1 026 179 M91	Block Assembly, Short (Incl. Stripped Block, Crankshaft and Bearings, Camshaft, Connecting Rods and Bearings, Piston Assembly, Timing Gears, Oil Pump and Oil Pan)(Reg. Alt. Gas)(Agr. Models)	1
	(B,D)	1 753 918 M91	Block Assembly, Short (Incl. Stripped Block, Crankshaft and Bearings, Camshaft, Connecting Rods and Bearings, Piston Assembly, Timing Gears, Oil Pump and Oil Pan)(Reg. Alt. Gas)(Agr. Models)	1
	(A)	1 026 181 M91	Block Assembly, Short (Incl. Stripped Block, Crankshaft and Bearings, Camshaft, Connecting Rods and Bearings, Piston Assembly, Timing Gears, Oil Pump and Oil Pan) (Hi-Alt. Gas and L.P.) (Agricultural Models)	1
	(B,F)	1 754 149 M91	Block Assembly, Short (Incl. Stripped Block, Crankshaft and Bearings, Camshaft, Connecting Rods and Bearings, Piston Assembly, Timing Gears, Oil Pump and Oil Pan)(Hi-Alt. Gas and L.P.) (Agricultural Models)	1
	(A)	1 026 180 M91	Block Assembly, Short (Incl. Stripped Block, Crankshaft and Bearings, Camshaft, Connecting Rods and Bearings, Piston Assembly, Timing Gears, Oil Pump and Oil Pan)(Regular Altitude Gas) (Utility Models)	1
	(B,G)	1 754 948 M91	Block Assembly, Short (Incl. Stripped Block, Crankshaft and Bearings, Camshaft, Connecting Rods and Bearings, Piston Assembly, Timing Gears, Oil Pump and Oil Pan)(Regular Altitude Gas) (Utility Models)	1
1	(A)	1 025 094 M91	Block Assembly, Stripped (Incl. Bearing Caps)	1
1	(B,E)	1 753 919 M91	Block Assembly, Stripped (Incl. Bearing Caps)	1
2		19 259 X	Plug, Camshaft Hole (2-1/8" Expansion)	1
3		1 000 148 M1	Plug, Oil Gallery (1/8" Pipe, Ctsk. Hd.)	2
4		17 595 A	Support, Oil Level Indicator	1
5		17 170 A	Dowel, Ring, Front Bearing Cap	1
6		760 402 M1	Pin, Front and Center Bearing Caps (1/4 x 15/32")	3
7		1 005 960 M1	Pin, Oil Pump to Front Bearing Cap (3/16 x 3/8")	2
8		1 753 790 M1	Bushing, Camshaft, Front (1-13/16 x 1-15/16 x 1-5/16")	1
9		1 958 X	Stud, Ignition Coil (1/4" NC x 7/8")	2
10		1 003 886 M1	Stud, Water Pump (3/8" NC x 1-5/8")	1
11		1 752 893 M1	Stud, Water Pump (3/8" NC x 3-3/8")	1
12		1 753 783 M1	Stud, Water Pump (3/8" NC x 3-7/8")	1
13		1 750 135 M1	Stud, Battery Support (7/16" NC x 1-1/4")	2
14		353 963 X1	Stud, Battery Support (7/16" NC-NF x 1-3/4")	1
15		1 017 842 M1	Bolt, Rear Brg. Cap (1/2 x 2-5/8" NC, w/5/16" Thick Hex. Hd.)	2
16		1 004 861 M1	Bolt, Center Brg. Cap (1/2 x 2-5/8" NC, w/3/8" Thick Hex. Hd.)	2
17		1 754 314 M1	Bolt, Front Bearing Cap (1/2 x 3-1/2" NC, Hex.)	2
18		1 754 683 M1	Washer, Bearing Cap Bolts (17/32 x 7/8 x 1/8")	6
19		1 754 749 M1	Pointer, Flywheel Timing	1
20		1 754 748 M1	Screw, Pointer (#10 - 24 x 3/8" Sltd. Hd.)	2
22		1 753 825 M1	Cover, Timing Gear	1
23		1 753 826 M1	Gasket, Timing Gear Cover to Block	1
24		191 314 M1	Pin, Cover Locating (3/8 x 3/4")	2
25		33 230 A	Pipe, Oil Filler	1
26		15 345 A	Cap Assembly, Oil Filler	1
27		1 751 846 M1	Cover, Hydraulic Pump Mounting Hole	1
28		191 469 M1	Gasket, Hydraulic Pump Mounting Hole Cover	1
29		1 753 835 M1	Gauge, Oil Level (Dip-Stick)	1
30		1 750 216 M92	Seal Assembly, Oil, w/Retainer	1
31		1 750 112 M1	Gasket, Retainer to Block	1
32	(C)	1 753 957 M1	Reinforcement, Oil Seal Retainer	1
33		760 405 M1	Pin, Oil Seal Retainer Locating (5/32 x 7/16")	2
34		1 021 673 M1	Packing, Rear Bearing Cap	1
35		763 716 M1	Cock, Drain, Cylinder Block	1
36		180 069 M1	Dowel, Block to Transmission	2
37		195 546 M1	Plug, Timing Hole	1
43		1 018 224 M1	Bolt (1/4 x 5/8" NC, Hex.)	x
44		2 324 X	Bolt (1/4 x 3/4" NC, Hex.)	x
45		353 441 X1	Washer (1/4" Lock)	x
46		1 751 636 M1	Washer (17/64 x 9/16 x 1/16")	x
47		1 754 913 M1	Bolt, w/Washer (3/8 x 1-1/8" NC, Hex.)	x
47		354 264 X1	Bolt (3/8 x 1-3/4" NC, Hex.)	x
49		354 271 X1	Bolt (3/8 x 2-3/4" NC, Hex.)	x
50		354 632 X1	Bolt (3/8 x 4" NC, Hex.)	x
51		353 434 X1	Washer (3/8" Lock)	x
52		355 566 X1	Nut (3/8" NC, Hex.)	x

Notes: (A) - Used Tractor Serial No. 702826 and up.
(B) - Used prior to Tractor Serial No. 702826.
(C) - Used some early model Engines.
(D) - For Repairs order (1) 1 026 179 M91 (1) 353 679 X1 (1) 353 446 X1 (1) 194 061 M1 (1) 194 060 M1 and (1) 194 059 M91.
(E) - For Repairs order (1) 1 025 094 M91 (1) 353 679 X1 (1) 353 446 X1 (1) 194 061 M1 (1) 194 060 M1 and (1) 194 059 M91.
(F) - For Repairs order (1) 1 026 181 M91 (1) 353 679 X1 (1) 353 446 X1 (1) 194 061 M1 (1) 194 060 M1 and (1) 194 059 M91.
(G) - For Repairs order (1) 1 026 180 M91 (1) 353 679 X1 (1) 353 446 X1 (1) 194 061 M1 (1) 194 060 M1 and (1) 194 059 M91.

CRANKSHAFT, CAMSHAFT, FLYWHEEL AND TIMING GEARS

F365-3



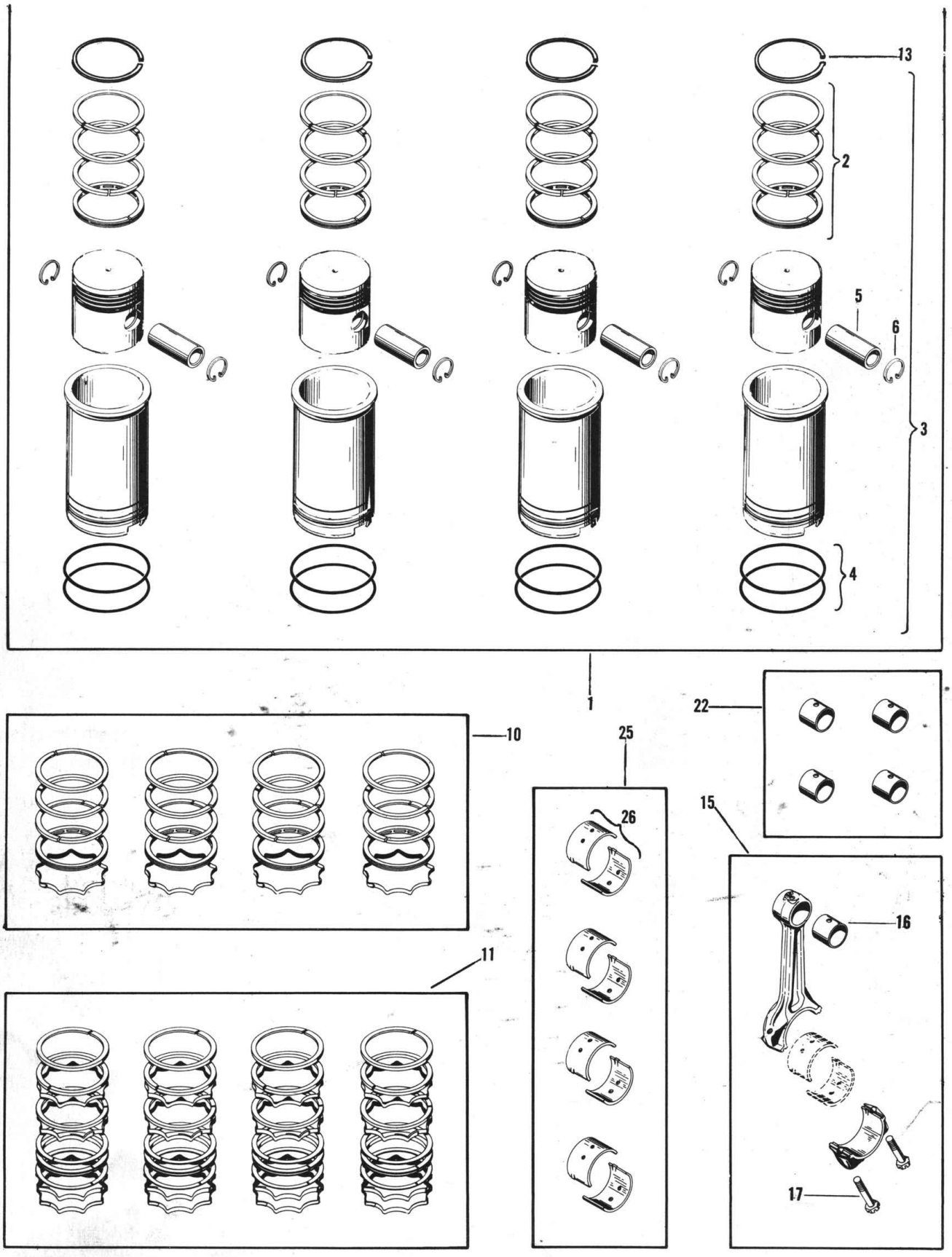
CRANKSHAFT, CAMSHAFT, FLYWHEEL AND TIMING GEARS

GAS AND L.P.

Ref. No.	Part No.	Description	No. Req.
1	830 756 M91	Crankshaft Kit (Agr. Models)	1
1	830 963 M91	Crankshaft Kit (Utility Models)	1
2	830 752 M91	Insert Set, Crankshaft Bearing (Std.)(See Item 25)	1
3	1 021 673 M1	Packing, Rear Bearing Cap	1
4	17 627 A	Seal, Oil, Crankshaft, Front	1
5	1 750 216 M92	Seal Assembly, Oil, Rear	1
6	760 520 M1	Seal, Dust, Crankshaft, Front (2-3/8 x 3-3/8 x 1/4" Felt)	1
7	1 753 834 M1	Pulley, Crankshaft (Agr. Models)(61/64" Keyway)	1
7	1 754 939 M1	Pulley, Crankshaft (Utility Models)(1-1/4" Keyway)	1
8	1 500 104 M1	Washer, Crankshaft Pulley (21/32 x 1-3/4 x 3/16")	1
9	1 500 068 M1	Jaw, Starting (Required for Starting Crank)	1
	353 609 X1	Bolt, Pulley (5/8 x 1-1/4" NF, Hex.)	1
11	1 754 940 M1	Key (Utility Model)(1/4 x 1" Hi-Pro)	1
11	355 468 X1	Key (Agr. Model)(1/4 x 3/4" Woodruff)	1
12	15 291 A	Cork, Keyway Dust Plug	1
13	1 753 801 M1	Gear, Crankshaft Timing (Std.)	1
13	1 753 939 M1	Gear, Crankshaft Timing (+.001")	x
13	1 753 940 M1	Gear, Crankshaft Timing (+.002")	x
13	1 753 941 M1	Gear, Crankshaft Timing (-.001")	x
13	1 753 942 M1	Gear, Crankshaft Timing (-.002")	x
14	1 753 836 M91	Flywheel Assembly (Dual Clutch)	1
15	1 750 034 M1	Gear, Starter Ring	1
16	1 023 079 M91	Flywheel Assembly (Single Clutch)	1
17	1 750 034 M1	Gear, Starter Ring	1
18	832 960 M1	Bearing, Clutch Pilot (Dual Clutch)(Agr. and Orchard)	1
18	832 953 M1	Bearing, Clutch Pilot (Utility)	1
19	17 406 X	Cork, Flywheel Balance	x
25	830 752 M91	Insert Set, Crankshaft Bearing (Std.)	x
26	1 753 921 M91	Insert Assembly, Crankshaft Bearing, Front	1
27	1 753 922 M91	Insert Assembly, Crankshaft Bearing, Center	1
28	1 753 923 M91	Insert Assembly, Crankshaft Bearing, Rear	1
25	830 753 M91	Insert Set, Crankshaft Bearing (-.002")	x
26	1 753 926 M91	Insert Assembly, Crankshaft Bearing, Front	1
27	1 753 929 M91	Insert Assembly, Crankshaft Bearing, Center	1
28	1 753 932 M91	Insert Assembly, Crankshaft Bearing, Rear	1
25	830 754 M91	Insert Set, Crankshaft Bearing (-.010")	x
26	1 753 927 M91	Insert Assembly, Crankshaft Bearing, Front	1
27	1 753 930 M91	Insert Assembly, Crankshaft Bearing, Center	1
28	1 753 933 M91	Insert Assembly, Crankshaft Bearing, Rear	1
25	830 755 M91	Insert Set, Crankshaft Bearing (-.020")	x
26	1 753 928 M91	Insert Assembly, Crankshaft Bearing, Front	1
27	1 753 931 M91	Insert Assembly, Crankshaft Bearing, Center	1
28	1 753 934 M91	Insert Assembly, Crankshaft Bearing, Rear	1
34	1 753 789 M1	Camshaft	1
35	1 753 791 M1	Plate, Camshaft Thrust	1
36	1 753 792 M1	Gear, Camshaft Timing (Std.)	1
36	1 753 935 M1	Gear, Camshaft Timing (+.001")	x
36	1 753 936 M1	Gear, Camshaft Timing (+.002")	x
36	1 753 937 M1	Gear, Camshaft Timing (-.001")	x
36	1 753 938 M1	Gear, Camshaft Timing (-.002")	x
37	2 196 X	Key (1/4 x 7/8" Woodruff)	1
38	1 753 793 M1	Washer, Timing Gear (1-5/32 x 2-3/16 x 1/32" Lip)	1
39	1 753 794 M1	Nut (1-1/8" NF, Hex., x 3/8" Thick)	1
40	1 754 142 M91	Support Assembly, Outboard Camshaft Bearing	1
41	1 753 832 M1	Bearing, Support (1 x 1-1/8 x 13/16")	1
42	1 753 833 M1	Plug, Bearing Support (1-1/8" Cup Type)	1
43	1 753 831 M1	Gasket, Outboard Bearing Support	1
44	760 402 M1	Pin, Bearing Support Locating (1/4 x 15/32")	1
45	355 542 X1	Plug, Camshaft End (1/8" P.T. x 9/32" Ctsk. Sckt. Hd.)	1
50	1 750 127 M1	Bolt (5/16 x 1/2" NC, Hex., Special)	x
51	15 731 X	Washer (5/16" Lock)	x
52	353 691 X1	Bolt (3/8 x 1" NC, Hex.)	x
53	353 434 X1	Washer (3/8" Lock)	x
54 (A)	1 754 311 M1	Bolt (7/16 x 1-7/8" NF, Hex.)	x
55 (B)	1 750 137 M1	Stud (7/16" NF x 2-3/8")(Order 1 754 311 M1)	x
56 (B)	359 404 X1	Washer (7/16" Int. Skpf.)	x
57 (B)	353 426 X1	Nut (7/16" NF, Hex.)	x

Notes: (A) - Used Engine Serial No. (Regular Gas) 7221, (L.P. and Hi-Alt. Gas) 10524 and up.
(B) - Used prior to Engine Serial No. (Regular Gas) 7221, (L.P. and Hi-Alt. Gas) 10524.

F364-5



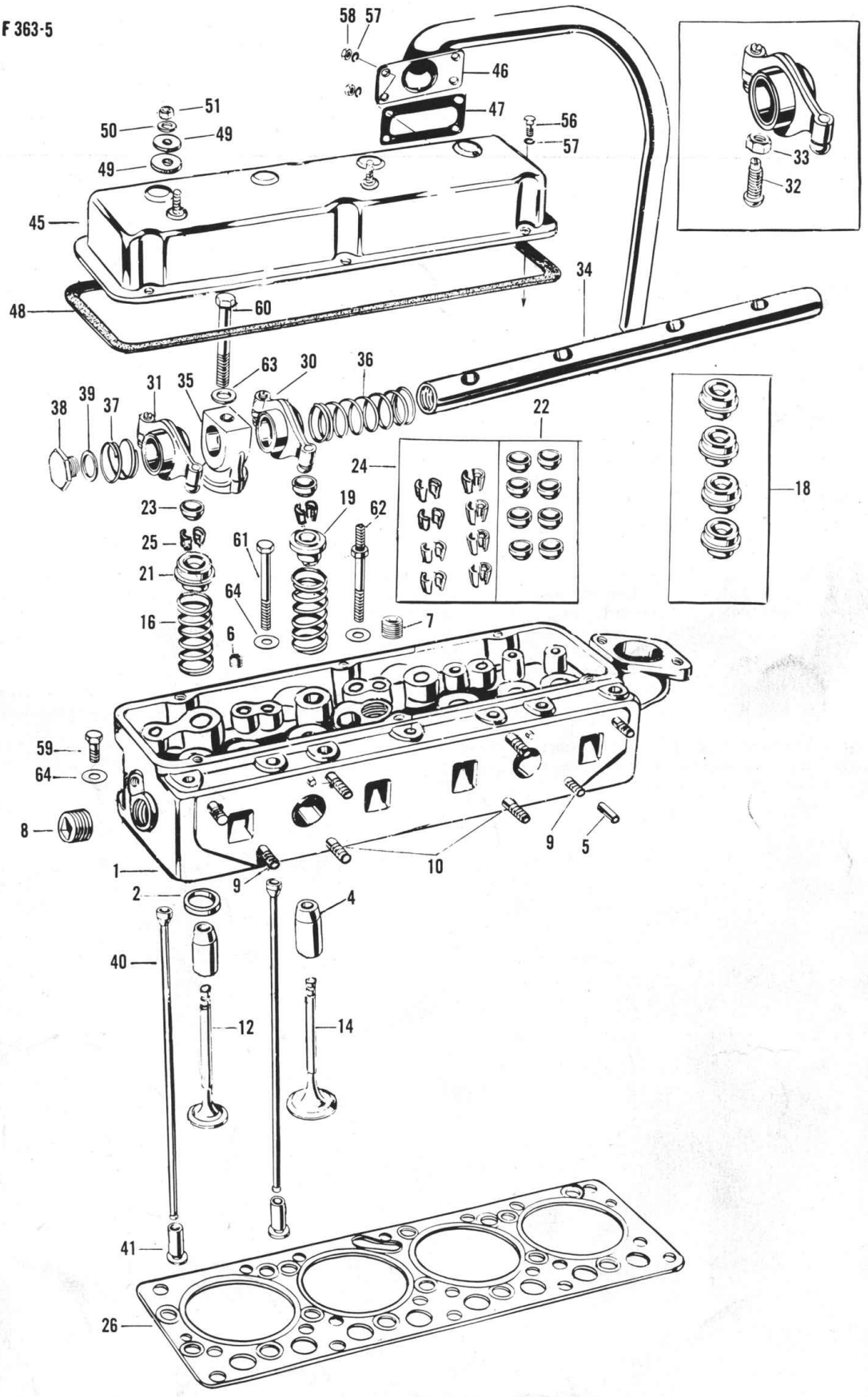
GAS AND L.P.

Ref. No.	Part No.	Description	No. Req.
1	830 757 M91	Piston and Sleeve Set (Regular Gas).....	1
2	830 758 M91	Ring Set, Piston (Original Equipment)(Order 830 772 M91).....	1
3	1 753 920 M91	Piston and Sleeve Assembly (Include Rings)(Order 830 757 M91).....	4
4	1 753 786 M1	"O" Ring, Sleeve Packing.....	2
5	1 753 784 M1	Pin, Piston.....	1
6	17 675 A	Ring, Piston Pin Retaining.....	2
1	830 852 M91	Piston and Sleeve Set (Hi-Alt. Gas and L.P.).....	1
2	830 758 M91	Ring Set, Piston (Original Equipment)(Order 830 772 M91).....	1
3	1 754 150 M91	Piston and Sleeve Assembly (Include Rings)(Order 830 852 M91).....	4
4	1 753 786 M1	"O" Ring, Sleeve Packing.....	2
5	1 753 784 M1	Pin, Piston.....	1
6	17 675 A	Ring, Piston Pin Retaining.....	2
10 (A)	830 772 M91	Ring Set, Piston (Re-Ring Type)(See Note).....	x
11 (B)	830 773 M91	Ring Set, Piston (Re-Ring Type)(See Note).....	x
13	830 944 M91	Shim Kit, Cylinder Liner (Incl. 6 Shims .003" and 6 Shims .0015")..	1
15	1 754 015 M91	Rod Assembly, Connecting.....	4
16	1 753 787 M1	Bushing, Piston Pin (1-1/8 x 1-3/16 x 1-1/8").....	1
17	1 753 788 M1	Bolt (3/8 x 1-3/4" NF, Special).....	2
22	830 759 M91	Bushing Kit, Piston Pin.....	1
25	830 748 M91	Insert Set, Connecting Rod Bearing (Std.).....	x
26	1 754 023 M91	Insert Assembly, Connecting Rod Bearing (Std.).....	4
25	830 749 M91	Insert Set, Connecting Rod Bearing (-.002").....	x
26	1 754 024 M91	Insert Assembly, Connecting Rod Bearing (-.002").....	4
25	830 750 M91	Insert Set, Connecting Rod Bearing (-.010").....	x
26	1 754 025 M91	Insert Assembly, Connecting Rod Bearing (-.010").....	4
25	830 751 M91	Insert Set, Connecting Rod Bearing (-.020").....	x
26	1 754 026 M91	Insert Assembly, Connecting Rod Bearing (-.020").....	4

Notes: (A) - Recommended for use in Engines with slight Cylinder Wall wear.
(B) - Recommended for use in Engines with considerable Cylinder Wall wear.

CYLINDER HEAD AND COVER, VALVES AND ROCKER ARMS

F 363-5



CYLINDER HEAD AND COVER, VALVES AND ROCKER ARMS

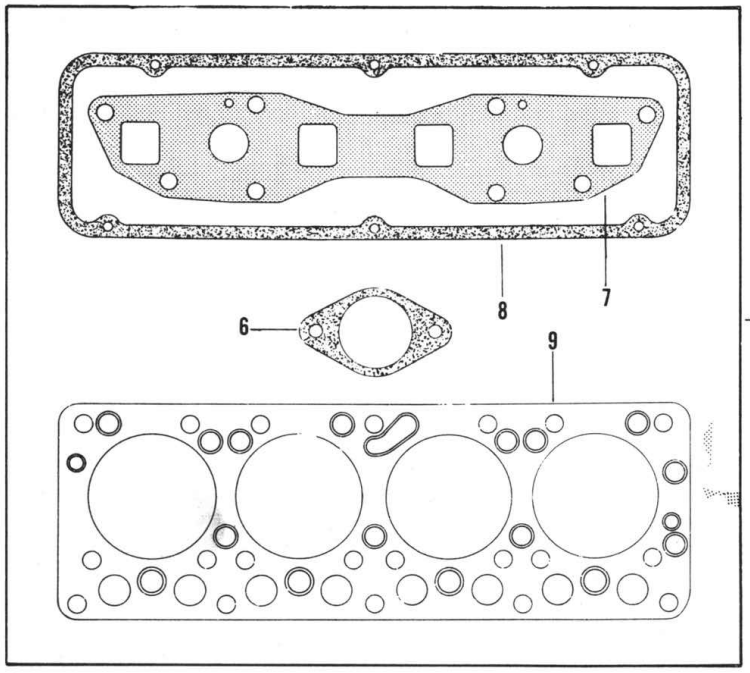
GAS AND L.P.

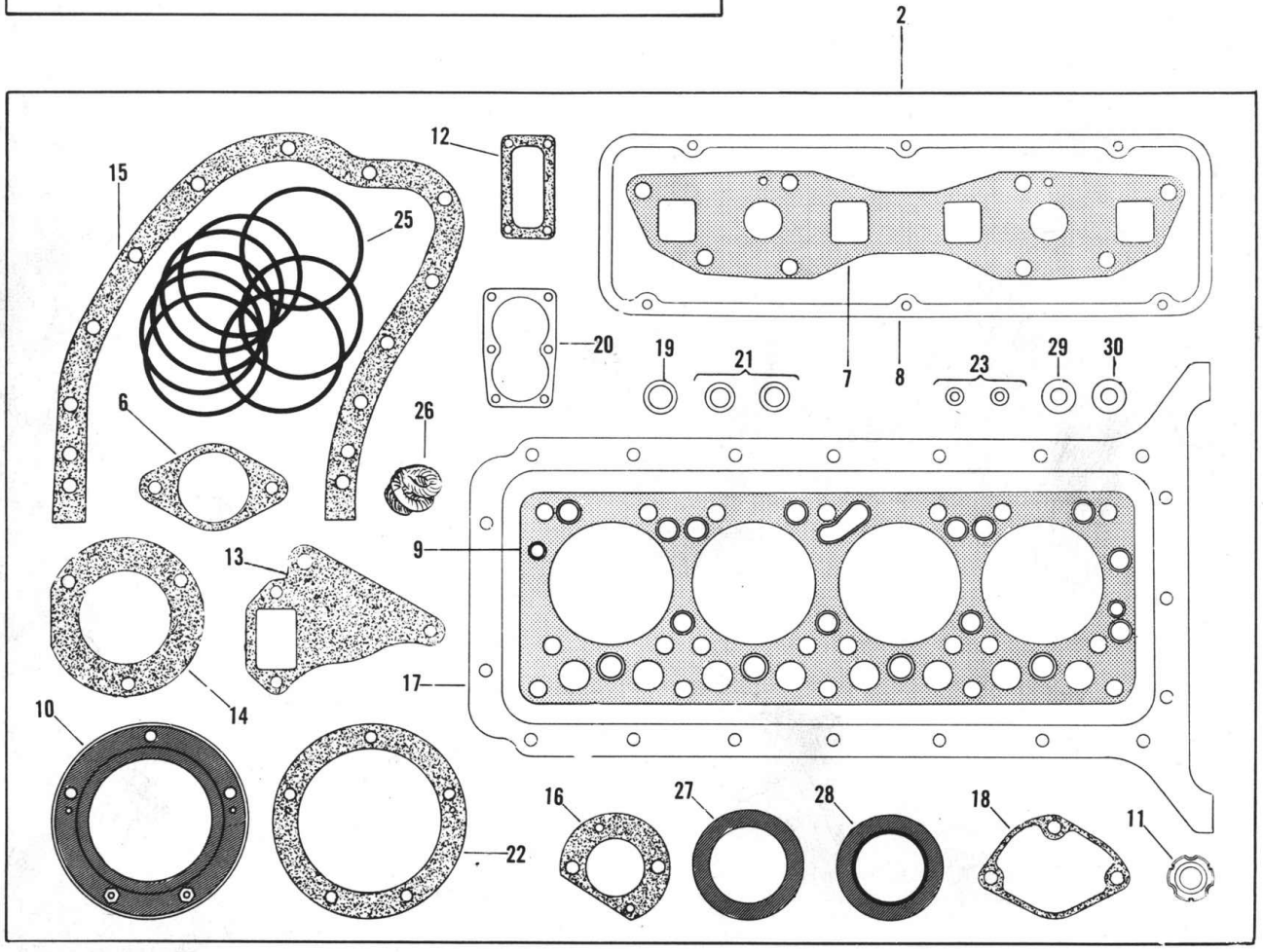
Ref. No.	Part No.	Description	No. Req Gas	L.P
1	1 753 925 M91	Head Assembly, Cylinder	1	-
1	1 754 151 M91	Head Assembly, Cylinder	-	1
2	1 509 176 M1	Insert, Exhaust Valve Seat (+.010")	4	-
2	1 754 417 M1	Insert, Exhaust Valve Seat (+.010")	-	4
4	1 019 739 M1	Guide, Valve	8	8
5	1 753 805 M1	Pin, Manifold Locating (1/4 x 3/4")	2	2
6	17 617 A	Plug, Fuse, Cylinder Head	1	1
7	355 543 X1	Plug (3/4" P.T., Sq. Ctsk. Hd.)	1	1
8	355 544 X1	Plug (1" P.T., Sq. Ctsk. Hd.)	1	1
9	15 247 A	Stud, Manifold, Ends (3/8" NC x 1-11/16")	4	4
10	18 186 A	Stud, Manifold, Clamps (3/8" NC x 2-1/8")	4	4
12	1 019 743 M1	Valve, Exhaust	4	4
14	1 019 742 M1	Valve, Intake	4	-
14	1 021 349 M1	Valve, Intake	-	4
16	1 010 268 M1	Spring, Valve	8	8
18	830 765 M91	Seat Set, Intake Valve Spring	1	-
19	1 753 837 M1	Seat, Intake Valve Spring	4	-
18	830 765 M91	Seat Set, Valve Springs	-	2
19	1 753 837 M1	Seat, Valve Springs	-	4
21	1 005 502 M91	Cap Assembly, Exhaust Valve (Roto)	4	-
22	830 764 M91	Socket Set, Rocker Arm Ball	1	1
23	1 005 937 M1	Socket, Rocker Arm Ball	8	8
24	841 375 M91	Lock Set, Valve Stem	1	1
25	1 005 452 M1	Lock, Valve Stem (Order 841 375 M91)	16	16
26	1 753 818 M1	Gasket, Cylinder Head	1	1
30 (A)	1 754 607 M91	Arm Assembly, Rocker, Right Hand (Incl. Items #32 and #33)	4	4
31 (A)	1 754 609 M91	Arm Assembly, Rocker, Left Hand	4	4
32	1 754 608 M1	Screw, Adjusting (5/16" NF x 1-3/16")	1	1
33	353 917 X1	Nut, Lock, Adjusting Screw (5/16" NF, Half Hex.)	1	1
30 (B)	1 753 808 M91	Arm Assembly, Rocker, Right Hand (Incl. Items #32 and #33)	1	1
31 (B)	1 753 809 M91	Arm Assembly, Rocker, Left Hand	1	1
32	1 005 935 M1	Screw, Adjusting (5/16" NF x 1-1/32")	1	1
33	353 917 X1	Nut, Lock, Adjusting Screw (5/16" NF, Half Hex.)	1	1
34 (C)	1 018 398 M1	Shaft, Rocker Arm	1	1
34 (D)	1 754 185 M1	Shaft, Rocker Arm (Order 1 018 398 M1)	1	1
35	1 753 806 M1	Support, Rocker Arm Shaft	4	4
36	760 204 M1	Spring, Rocker Arm	4	4
37	760 154 M1	Spring, Rocker Arm (Ends)	2	2
38	760 037 M1	Plug, Rocker Arm Shaft	2	2
39	18 485 A	Gasket, Plug (5/8 x 7/8 x 1/16" Copper Asbestos)	2	2
40	1 753 811 M1	Rod, Push	8	8
41	1 750 111 M1	Tappet, Valve	8	8
45 (A)	1 754 605 M91	Cover Assembly, Cylinder Head	1	-
45 (B)	1 754 031 M91	Cover Assembly, Cylinder Head (Order 1 754 605 M91)	1	-
45 (A)	1 754 606 M91	Cover Assembly, Cylinder Head	-	1
45 (B)	1 753 814 M91	Cover Assembly, Cylinder Head (Order 1 754 606 M91)	-	1
46	1 753 816 M91	Tube Assembly, Breather	1	1
47	1 753 815 M1	Gasket, Breather Tube to Cover	1	1
48	1 753 817 M1	Gasket, Cover to Cylinder Head	1	1
49	183 751 M1	Washer, Heat Shield Stud (5/16 x 1 x 3/16" Cork)	4	4
50	670 286 M1	Washer, Heat Shield Stud (9/32 x 1-1/8 x 1/16")	2	2
51	22 739 X	Nut, Heat Shield Retainer	2	2
56	353 666 X1	Bolt (1/4 x 5/8" NC, Hex.)	x	x
57	353 441 X1	Washer (1/4" Lock)	x	x
58	355 564 X1	Nut (1/4" NC, Hex.)	x	x
59	353 703 X1	Bolt (7/16 x 1-5/8" NC, Hex.)	x	x
60	1 753 810 M1	Bolt (7/16 x 2-7/8" NC, Hex.)	x	x
61	354 645 X1	Bolt (7/16 x 4-3/4" NC, Hex.)	x	x
62	1 754 125 M1	Stud (7/16" NC x 6-1/4" Special)	x	x
63	1 018 140 M1	Washer (Flat)	x	x
64	15 269 A	Washer (29/64 x 3/4 x 1/16")	x	x

Notes: (A) - Used Engine Serial No. (Gas) 12862, (L.P.) 10983 and up.
(B) - Used prior to Engine Serial No. (Gas) 12862 and (L.P.) 10983.
(C) - Used Engine Serial No. (Gas) 22446, (L.P.) 18151 and up.
(D) - Used prior to Engine Serial No. (Gas) 22446 and (L.P.) 18151.

ENGINE GASKETS AND SEALS

F362-1





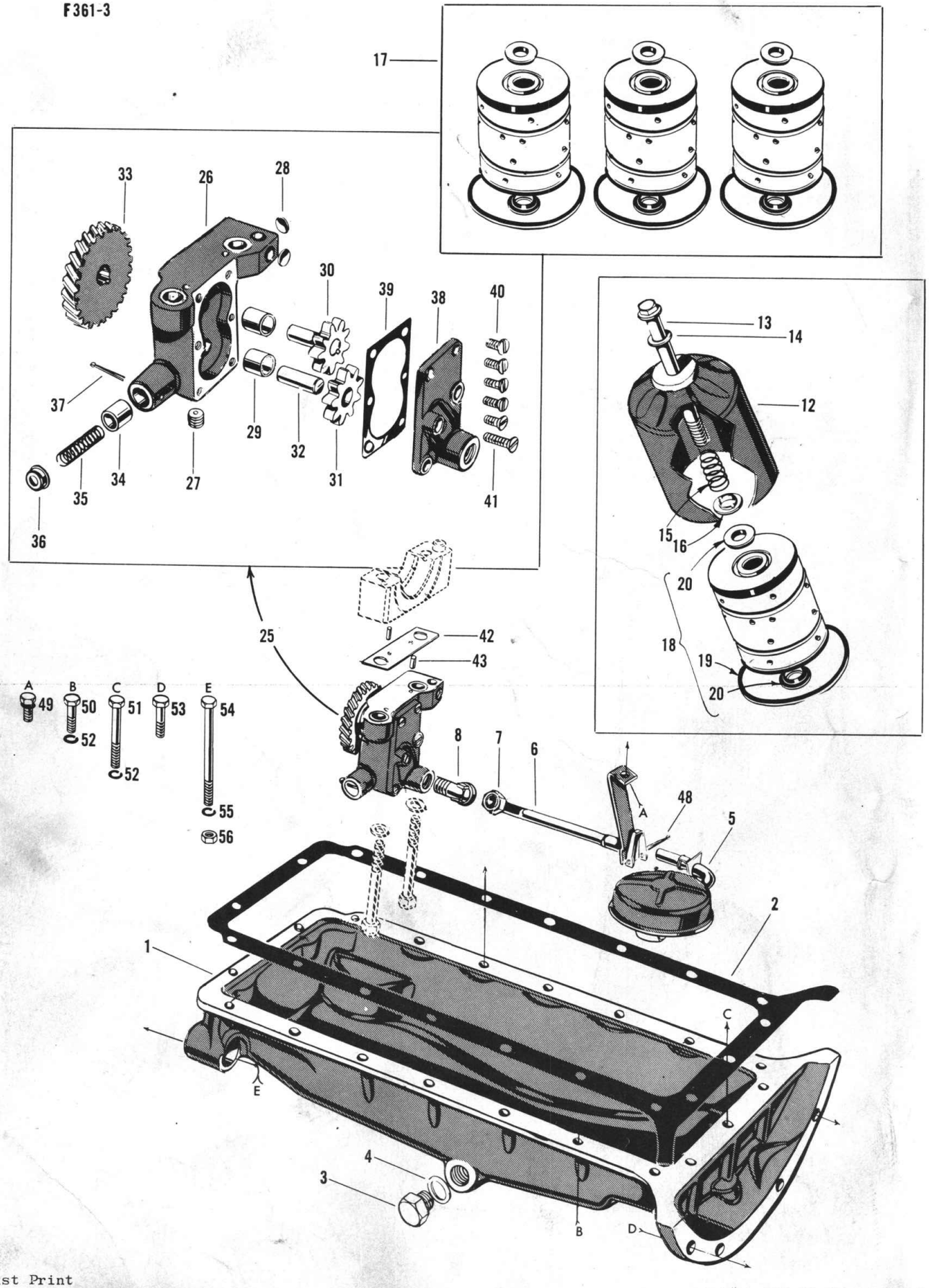
ENGINE GASKETS AND SEALS

GAS AND L.P.

Ref. No.	Part No.	Description	No. Req.	No. Req.
1	830 767 M92	Gasket Kit, Valve Grind (Incl. Items #6 thru #9)	1	
2	830 766 M92	Gasket Kit, Engine Overhaul (Incl. Items #6 thru #30)	1	
6	184 406 M2	Gasket, Water Outlet Elbow	1	
7	1 028 011 M1	Gasket, Manifold	1	
8	1 753 817 M1	Gasket, Cylinder Head Cover	1	
9	1 753 818 M1	Gasket, Cylinder Head	1	
10	1 750 216 M92	Seal, Oil and Retainer	1	
11	1 750 084 M91	Seal Assembly, Water Pump	1	
12	1 753 815 M1	Gasket, Breather Tube Cover	1	
13	1 753 823 M1	Gasket, Water Pump Body	1	
14	1 750 079 M2	Gasket, Water Pump Support	1	
15	1 753 826 M1	Gasket, Timing Gear Cover	1	
16	1 753 831 M1	Gasket, Camshaft Outboard Bearing Support	1	
17	1 753 804 M1	Gasket, Oil Pan	1	
18	191 469 M1	Gasket, Hydraulic Pump Hole Cover	1	
19	1 750 118 M1	Gasket, Oil Pan Drain Plug	1	
20	1 005 959 M1	Gasket, Oil Pump Body	1	
21	18 485 A	Gasket, Rocker Arm Shaft Plug	2	
22	1 750 112 M1	Gasket, Crankshaft Oil Seal Retaining	1	
23	1 751 636 M1	Gasket, Crankshaft Oil Seal Retaining Screw	2	
25	1 753 786 M1	"O" Ring, Piston Sleeve Packing	8	
26	1 021 673 M1	Packing, Rear Bearing Cap	1	
27	760 520 M1	Seal, Dust, Crankshaft, Front	1	
28	17 627 A	Seal, Oil, Crankshaft, Front	1	
29	1 005 973 M1	Seal, Dust, Governor Shaft	1	
30	18 567 X	Seal, Oil, Governor Shaft	1	

OIL PUMP, OIL PAN, OIL FILTER

F361-3



OIL PAN, OIL PUMP, OIL FILTER

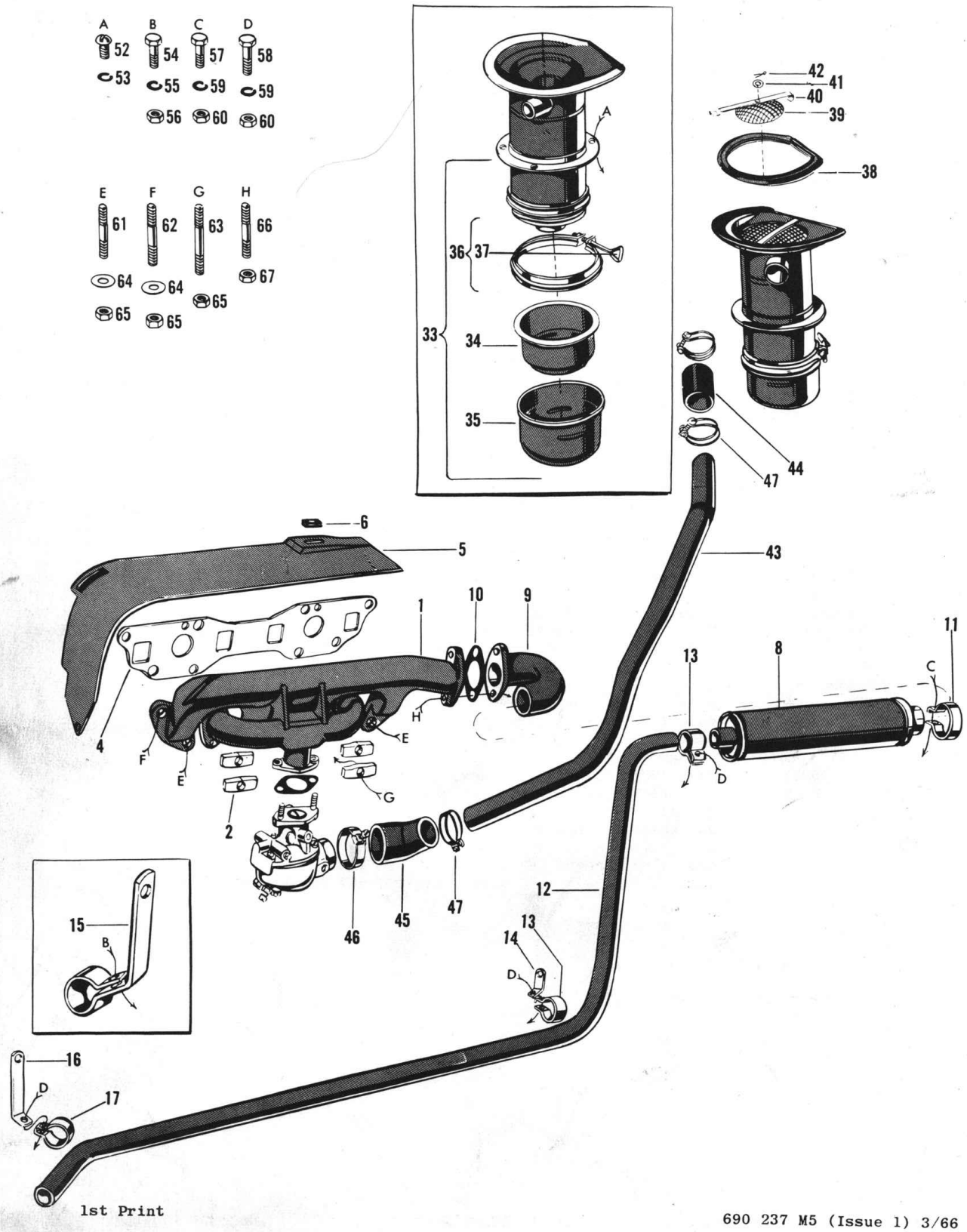
GAS AND L.P.

Ref. No.	Part No.	Description	No. Req.
1	1 022 893 M91	Pan Assembly, Oil	1
2	1 753 804 M1	Gasket, Oil Pan	1
3	894 014 M2	Plug, Oil Pan Drain	1
4	1 750 118 M1	Gasket, Drain Plug	1
5	1 750 094 M91	Strainer Assembly, Oil	1
6	1 753 800 M91	Support Assembly, Oil Strainer	1
7	1 750 139 M1	Nut, Strainer Tube	1
7	1 750 140 M1	Sleeve, Strainer Tube	1
8	1 750 147 M1	Elbow, Oil Pump	1
12 (A)	1 024 232 M91	Cover Assembly, Oil Filter (5-1/4" Long)(Used w/1 024 231 M1 Bolt).	1
12 (B)	1 750 586 M91	Cover Assembly, Oil Filter (5-5/8" Long)(Used w/1 750 583 M1 Bolt).	1
13 (A)	1 024 231 M1	Bolt, Oil Filter Cover Retaining (9/16" NF x 6-1/4") (Used w/1 024 232 M91 Cover)	1
13 (B)	1 750 583 M1	Bolt, Oil Filter Cover Retaining (9/16" NF x 6-5/8") (Used w/1 750 586 M91 Cover)	1
14	1 750 584 M1	Gasket, Oil Filter Cover Bolt	1
15	1 750 585 M1	Spring, Oil Filter	1
16	1 005 438 M1	Retainer, Oil Filter Cover Spring	1
17	1 014 219 M92	Element Kit, Oil Filter	1
18	1 750 581 M1	Element, Oil Filter (Order 1 014 219 M92)	3
19	1 750 580 M1	Gasket, Filter Cover to Block	1
20	1 750 587 M1	Gasket, Element Ends	2
25	1 019 767 M91	Pump Assembly, Oil	1
26	1 754 451 M91	Body Assembly, Oil Pump	1
27	1 004 785 M1	Plug (1/4" P.T., Sltd. Hd.)	1
28	19 454 X	Plug (1/2" Expansion)	2
29	760 195 M1	Bushing (1/2 x 9/16 x 1/2")	2
30	1 753 798 M91	Gear Assembly, Lead	1
31	1 500 015 M1	Gear, Follow	1
32	1 750 110 M1	Shaft, Follow Gear	1
33	1 753 799 M1	Gear, Oil Pump Driven	1
34	15 322 A	Valve, Oil Pressure Relief	1
35	21 195 A	Spring, Pressure Relief Valve	1
36	760 159 M1	Retainer, Pressure Spring	1
37	354 061 X1	Cotter Pin (1/8 x 1-1/4")	1
38	1 753 796 M1	Cover, Oil Pump	1
39	1 005 959 M1	Gasket, Oil Pump Cover	1
40	14 276 X	Screw (1/4 x 5/8" NC, Sltd. Hd.)	5
41	19 138 X	Screw (1/4 x 1" NC, Sltd. Hd.)	1
42	1 753 802 M1	Shim, Oil Pump to Front Bearing Cap	x
43	1 005 960 M1	Pin, Oil Pump to Front Bearing Cap (3/16 x 3/8")	2
48	354 061 X1	Cotter Pin (1/8 x 1-1/4")	x
49	1 750 130 M91	Bolt Assembly, w/Washer (1/4 x 1/2" NC, Hex.)	x
50	353 679 X1	Bolt (5/16 x 1" NC, Hex.)	x
51	354 619 X1	Bolt (5/16 x 3" NC, Hex.)	x
52	353 446 X1	Washer (5/16" Lock)	x
53	353 700 X1	Bolt (7/16 x 1-1/4" NC, Hex.)	x
54	353 633 X1	Bolt (5/8 x 4-1/4" NF, Hex.)	x
55	353 433 X1	Washer (5/8" Lock)	x
56	353 427 X1	Nut (5/8" NF, Hex.)	x

Notes: (A) - Used Tractor Serial No. 686604 and up.
(B) - Used prior to Tractor Serial No. 686604. Order 1 024 231 M1 and 1 024 232 M91.

MANIFOLD, MUFFLER, AIR CLEANER

F367-6



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MANIFOLD, MUFFLER, AIR CLEANER

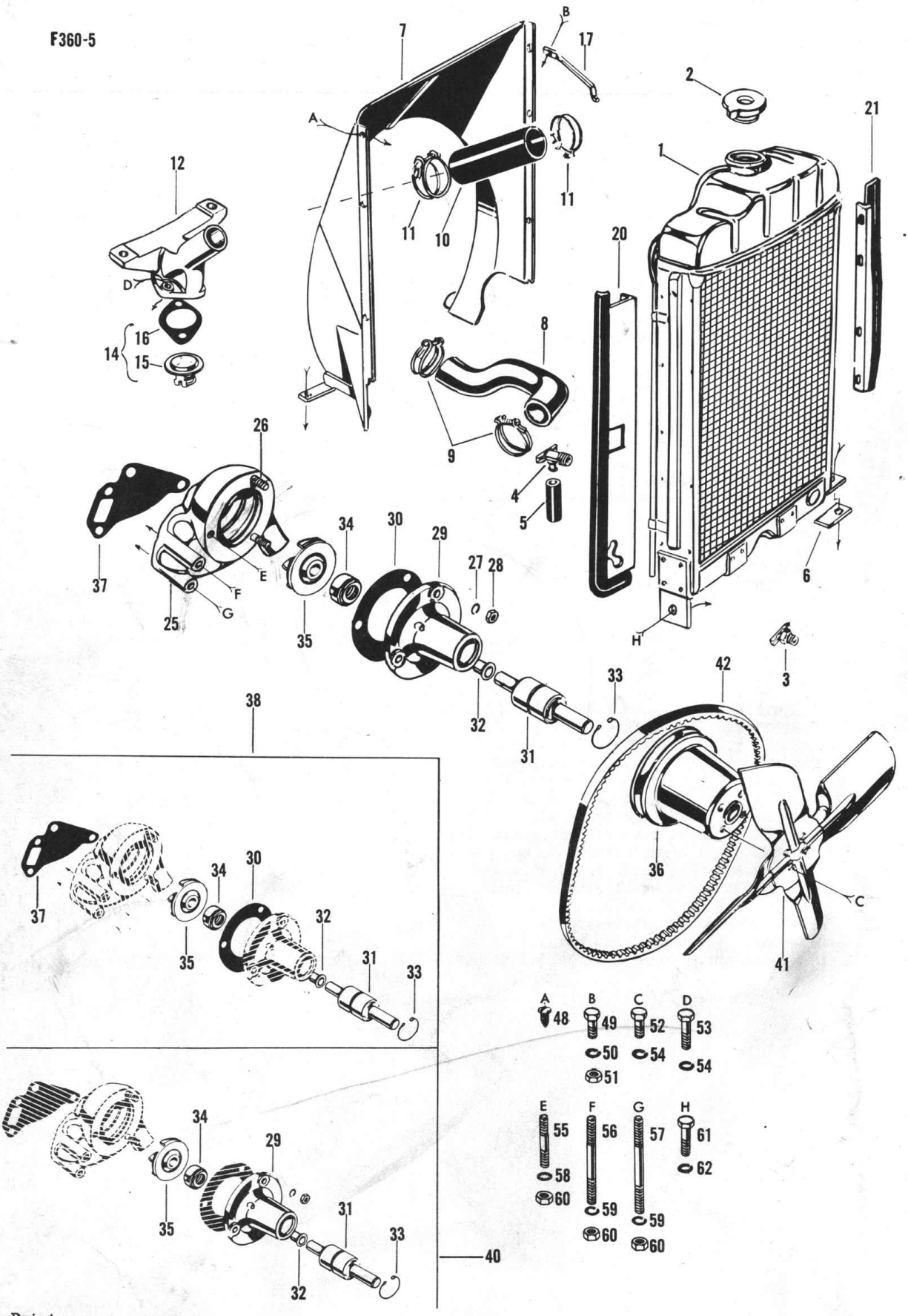
GAS AND L.P.

Ref. No.	Part No.	Description	No. Req.
1	1 753 820 M1	Manifold	1
2	1 005 969 M1	Clamp, Manifold (2-3/16" Long)	2
2	1 010 018 M1	Clamp, Manifold (1-3/32" Long)	2
4	1 028 011 M1	Gasket, Manifold	1
5	184 548 M3	Shield, Heat Manifold	1
6	185 118 M1	Grommet, Heat Shield	1
8	184 207 M91	Muffler Assembly	1
9	184 208 M2	Elbow, Muffler to Manifold	1
10	182 605 M1	Gasket, Elbow	1
11	182 611 M1	Clamp, Muffler to Elbow	1
12	184 209 M2	Pipe, Exhaust	1
13	182 612 M1	Clamp, Exhaust Pipe	2
14	183 167 M1	Strap, Engine Clamp	1
15 (A)	182 381 M2	Bracket, Tail Pipe, Rear (1 Piece Bracket and Clamp)	1
16 (B)	184 535 M1	Bracket, Rear Clamp (Requires Clamp)	1
17 (B)	182 612 M1	Clamp, Rear Bracket (Requires Bracket)	1
33	184 790 M91	Cleaner Assembly, Air	1
34	1 754 013 M1	Cup, Oil, Inner	1
35	1 754 014 M1	Cup, Oil, Outer	1
36	GH 2 625	Clamp Assembly, Cup Retaining	1
37	1 010 459 M1	Bolt, Clamp	1
38	186 621 M2	Seal, Air Cleaner	1
39 (C)	182 661 M1	Screen	1
40 (C)	182 662 M2	Clip, Screen Retaining	1
41 (C)	353 753 X1	Washer (#10 Flat)	1
42 (C)	354 046 X1	Cotter Pin (3/32 x 1/2")	1
43	184 280 M1	Tube, Air Cleaner	1
44	183 302 M1	Hose, Tube to Air Cleaner	1
45	184 277 M1	Elbow, Tube to Carbureter	1
46	364 126 X1	Clamp, Elbow	1
47	832 713 M1	Clamp, Hose	3
52	353 980 X1	Screw (#10 - 3/8" NC, Rd. Sltd. Hd.)	x
53	353 445 X1	Washer (#10 Lock)	x
54	353 668 X1	Bolt (1/4 x 7/8" NC, Hex.)	x
55	353 441 X1	Washer (1/4" Lock)	x
56	355 564 X1	Nut (1/4" NC, Hex.)	x
57	353 678 X1	Bolt (5/16 x 7/8" NC, Hex.)	x
58	353 679 X1	Bolt (5/16 x 1" NC, Hex.)	x
59	353 446 X1	Washer (5/16" Lock)	x
60	355 565 X1	Nut (5/16" NC, Hex.)	x
61	15 247 A	Stud (3/8" NC x 1-11/16")	x
62	1 003 006 M1	Stud (3/8" NC x 1-7/8")	x
63	18 186 A	Stud (3/8" NC x 2-1/8")	x
64	353 756 X1	Washer (3/8" Small Flat)	x
65	761 532 M1	Nut (3/8" NC, Hex., Special)	x
66	1 751 908 M1	Stud (7/16" NC x 1-5/8")	x
67	195 653 M1	Nut (7/16" NC, Hex., Special)	x

Notes: (A) - Used early Model Tractors.
(B) - Used late Model Tractors.
(C) - Used prior to Tractor Serial No. 685394.

RADIATOR AND ATTACHING PARTS, WATER PUMP

F360-5



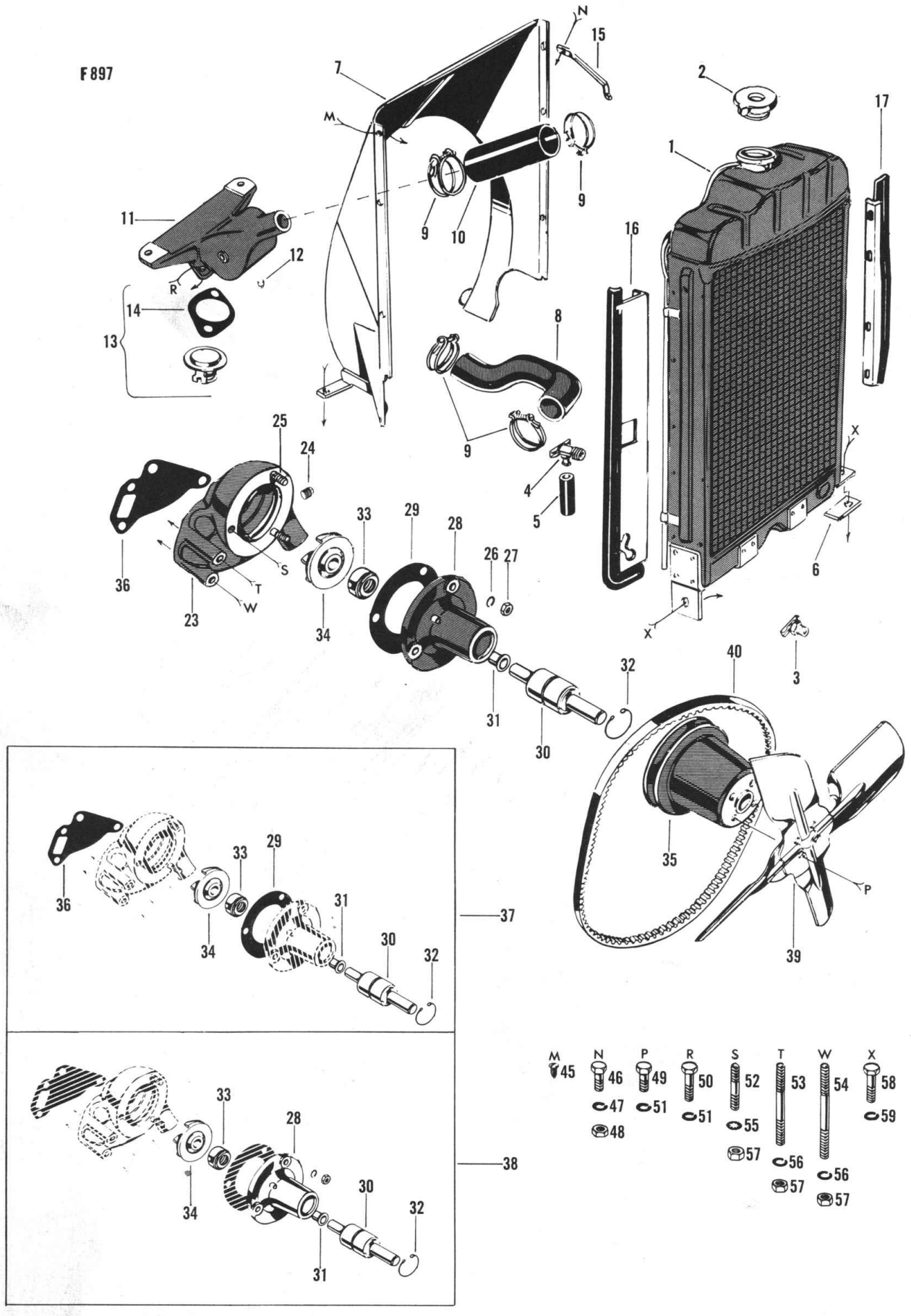
RADIATOR AND ATTACHING PARTS, WATER PUMP

GAS

Ref. No.	Part No.	Description	No. Req.
1	184 525 M91	Radiator Assembly	1
2	184 528 M91	Cap Assembly, Radiator	1
3 (A)	763 716 M1	Cock, Radiator Drain (Not adapted for Hose)	1
4 (B)	182 698 M1	Cock, Radiator Drain (Adapted for Hose)(Order 763 716 M1)	1
5 (B)	182 743 M1	Hose, Drain Cock (Use w/182 698 M1 Cock)	1
6	182 318 M1	Pad, Radiator Bottom	2
7	184 530 M92	Shroud Assembly, Radiator	1
8	184 325 M1	Hose, Radiator, Lower	1
9	832 713 M1	Clamp, Lower Hose	2
10	182 345 M1	Hose, Radiator, Upper (8-5/8" Long)	1
11	832 713 M1	Clamp, Upper Hose	2
12	184 438 M1	Body, Thermostat	1
14	830 842 M91	Thermostat Kit	1
15	184 206 M2	Thermostat (Order 830 842 M91)	1
16	184 406 M2	Gasket, Thermostat Body	1
17	184 253 M1	Rod, Radiator Support	1
20	182 450 M91	Seal Assembly, Radiator, Left Hand Side	1
21	182 447 M91	Seal Assembly, Radiator, Right Hand Side	1
(C)	1 017 517 M91	Pump Assembly, Water (Complete)	1
25	1 753 821 M1	Body, Water Pump	1
26	21 207 A	Stud, Body (3/8" NC x 1-1/2")	2
27	353 434 X1	Washer (3/8" Lock)	2
28	355 566 X1	Nut (3/8" NC, Hex.)	2
29	1 750 080 M1	Support, Water Pump	1
30	1 750 079 M2	Gasket, Support to Body	1
31	1 750 083 M91	Shaft Assembly	1
32	1 750 579 M1	Slinger, Water	1
33	1 750 145 M1	Ring, Snap, Shaft Retaining	1
34	1 750 084 M91	Seal Assembly, Water Pump	1
35	1 753 822 M1	Impeller	1
36	1 751 852 M1	Pulley, Water Pump Drive	1
37	1 753 823 M1	Gasket, Water Pump to Block	1
38	830 768 M91	Repair Kit, Water Pump (Less Support and Pulley)	1
40	835 615 M91	Repair Kit, Water Pump (w/Support and Less Pulley)	1
41	184 527 M91	Fan Assembly	1
42	184 526 M1	Belt, Fan	1
48	195 448 M1	Screw (#10 - 24 Self-Tapping)	x
49	353 665 X1	Bolt (1/4 x 1/2" NC, Hex.)	x
50	353 441 X1	Washer (1/4" Lock)	x
51	355 564 X1	Nut (1/4" NC, Hex.)	x
52	353 675 X1	Bolt (5/16 x 1/2" NC, Hex.)	x
53	353 679 X1	Bolt (5/16 x 1" NC, Hex.)	x
54	353 446 X1	Washer (5/16" Lock)	x
55	1 003 886 M1	Stud (3/8" NC x 1-5/8")	x
56	1 752 893 M1	Stud (3/8" NC x 3-3/8")	x
57	1 753 783 M1	Stud (3/8" NC x 3-7/8")	x
58	22 764 X	Washer (3/8" Int. Skpf.)	x
59	353 434 X1	Washer (3/8" Lock)	x
60	355 566 X1	Nut (3/8" NC, Hex.)	x
61	353 698 X1	Bolt (7/16 x 1" NC, Hex.)	x
62	353 432 X1	Washer (7/16" Lock)	x

Notes: (A) - Used Tractor Serial No. 685394 and up.
(B) - Used prior to Tractor Serial No. 685394.
(C) - Part No. for reference only. For Repairs order (1) 835 615 M91, Repair Kit (1) 1751 852 M1, Pulley (1) 1753 821 M1, Body (2) 21 207 A, Stud (3) 353 434 X1, Washer and (3) 354 566 X1, Nut.

RADIATOR AND ATTACHING PARTS, WATER PUMP



RADIATOR AND ATTACHING PARTS, WATER PUMP

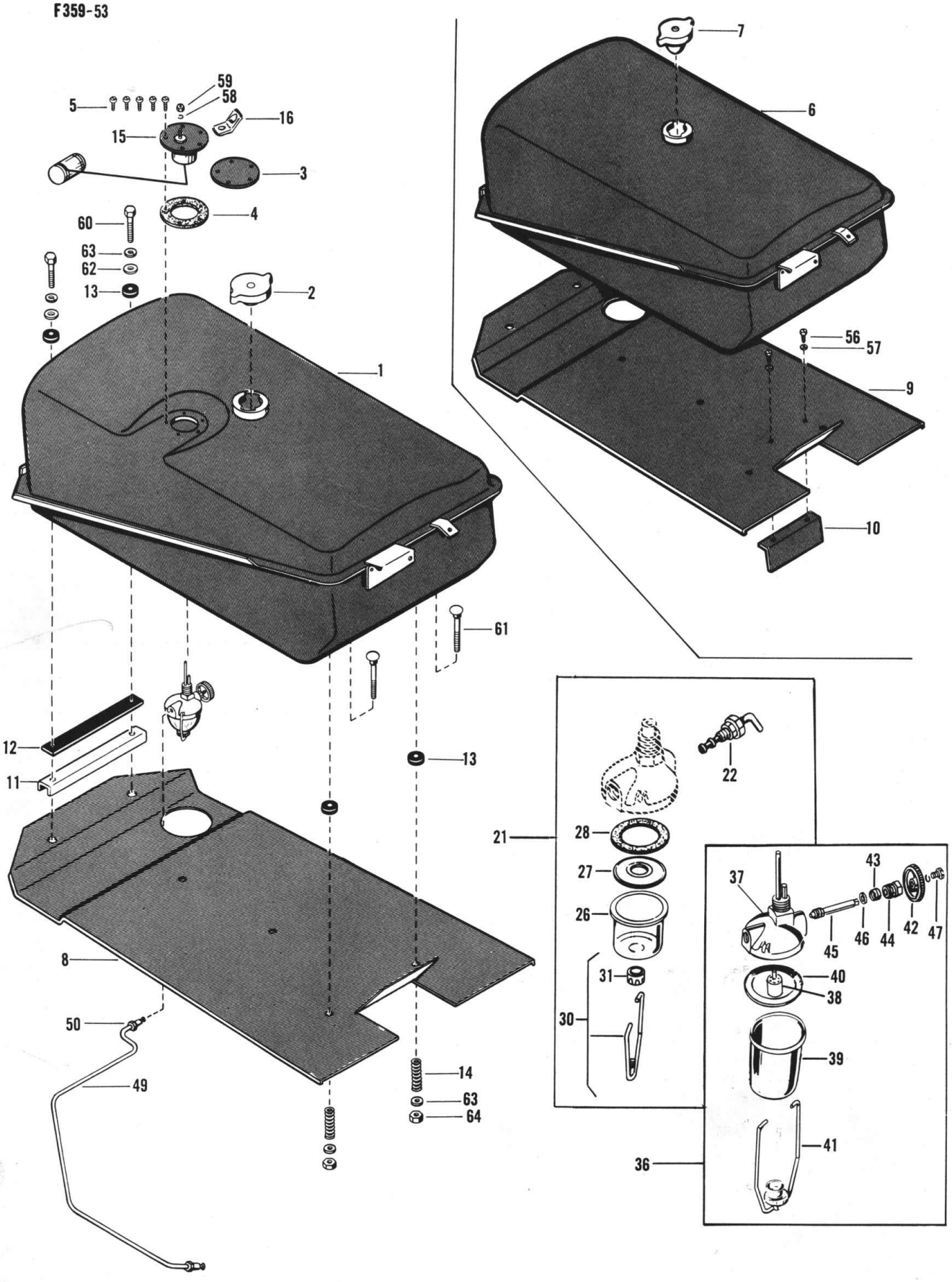
L.P.

Ref. No.	Part No.	Description	No. Req.
1	184 525 M91	Radiator Assembly	1
2	184 528 M91	Cap Assembly, Radiator	1
3 (A)	763 716 M1	Cock, Radiator Drain (Not adapted for Hose)	1
4 (B)	182 698 M1	Cock, Radiator Drain (Adapted for Hose)(Order 763 716 M1)	1
5 (B)	182 743 M1	Hose, Drain Cock (Used w/182 698 M1 Cock)	1
6	182 318 M1	Pad, Radiator Bottom	2
7	184 530 M92	Shroud Assembly, Radiator	1
8	184 325 M1	Hose, Radiator, Lower	1
9	832 713 M1	Clamp, Hose	4
10	185 111 M1	Hose, Radiator, Upper (7-1/4" Long)	1
11	185 110 M3	Body, Thermostat	1
12	355 547 X1	Plug, Body (1/8" P.T., Ctsk. Hd.)	1
13	830 842 M91	Thermostat Kit	1
14	184 406 M2	Gasket, Thermostat Body	1
15	184 253 M1	Rod, Radiator Support	1
16	182 450 M91	Seal Assembly, Radiator, Left Hand Side	1
17	182 447 M91	Seal Assembly, Radiator, Right Hand Side	1
(C)	1 022 721 M91	Pump Assembly, Water (Incl. Items 23-35)	1
(D)	1 017 517 M91	Pump Assembly, Water (Incl. Items 23-35)	1
23 (C)	1 022 720 M91	Body Assembly, Water Pump	1
23 (E)	1 753 821 M1	Body, Water Pump	1
24 (C)	375 181 X1	Plug, Body (3/8" P.T., Ext. Sq. Hd.)	1
25	21 207 A	Stud, Body (3/8" NC x 1-1/2")	2
26	353 434 X1	Washer (3/8" Lock)	2
27	355 566 X1	Nut (3/8" NC, Hex.)	2
28	1 750 080 M1	Support, Water Pump	1
29	1 750 079 M2	Gasket, Support to Body	1
30	1 750 083 M91	Shaft Assembly	1
31	1 750 579 M1	Slinger, Water	1
32	1 750 145 M1	Ring, Snap, Shaft Retaining	1
33	1 750 084 M91	Seal Assembly, Water Pump	1
34	1 753 822 M1	Impeller	1
35	1 751 852 M1	Pulley, Water Pump Drive	1
36	1 753 823 M1	Gasket, Water Pump to Block	1
37	830 768 M91	Repair Kit, Water Pump (Less Support)	1
38	835 615 M91	Repair Kit, Water Pump (w/Support)	1
39	184 527 M91	Fan Assembly	1
40	184 526 M1	Belt, Fan	1
45	195 448 M1	Screw (#10 - 24 Self-Tapping)	x
46	353 665 X1	Bolt (1/4 x 1/2" NC, Hex.)	x
47	353 441 X1	Washer (1/4" Lock)	x
48	355 564 X1	Nut (1/4" NC, Hex.)	x
49	353 675 X1	Bolt (5/16 x 1/2" NC, Hex.)	x
50	353 680 X1	Bolt (5/16 x 1-1/8" NC, Hex.)	x
51	353 446 X1	Washer (5/16" Lock)	x
52	1 003 886 M1	Stud (3/8" NC x 1-5/8")	x
53	1 752 893 M1	Stud (3/8" NC x 3-3/8")	x
54	1 753 783 M1	Stud (3/8" NC x 3-7/8")	x
55	22 764 X	Washer (3/8" Int. Skpf.)	x
56	353 434 X1	Washer (3/8" Lock)	x
57	355 566 X1	Nut (3/8" NC, Hex.)	x
58	353 698 X1	Bolt (7/16 x 1" NC, Hex.)	x
59	353 432 X1	Washer (7/16" Lock)	x

Notes: (A) - Used Tractor Serial No. 685394 and up.
(B) - Used prior to Tractor Serial No. 685394.
(C) - Used Engine Serial No. 18181 and up.
(D) - Used prior to Engine Serial No. 18181. For Repairs order (1) 835 615 M91, Repair Kit (1) 1751 852 M1, Pulley (1) 1753 821 M1, Body (2) 21 207 A, Stud (3) 353 434 X1, Washer and (3) 354 566 X1, Nut.
(E) - Used prior to Engine Serial Number 18181 with 1017 517 M91, Water Pump.

FUEL TANK AND FUEL FILTER

F359-53



FUEL TANK AND FUEL FILTER

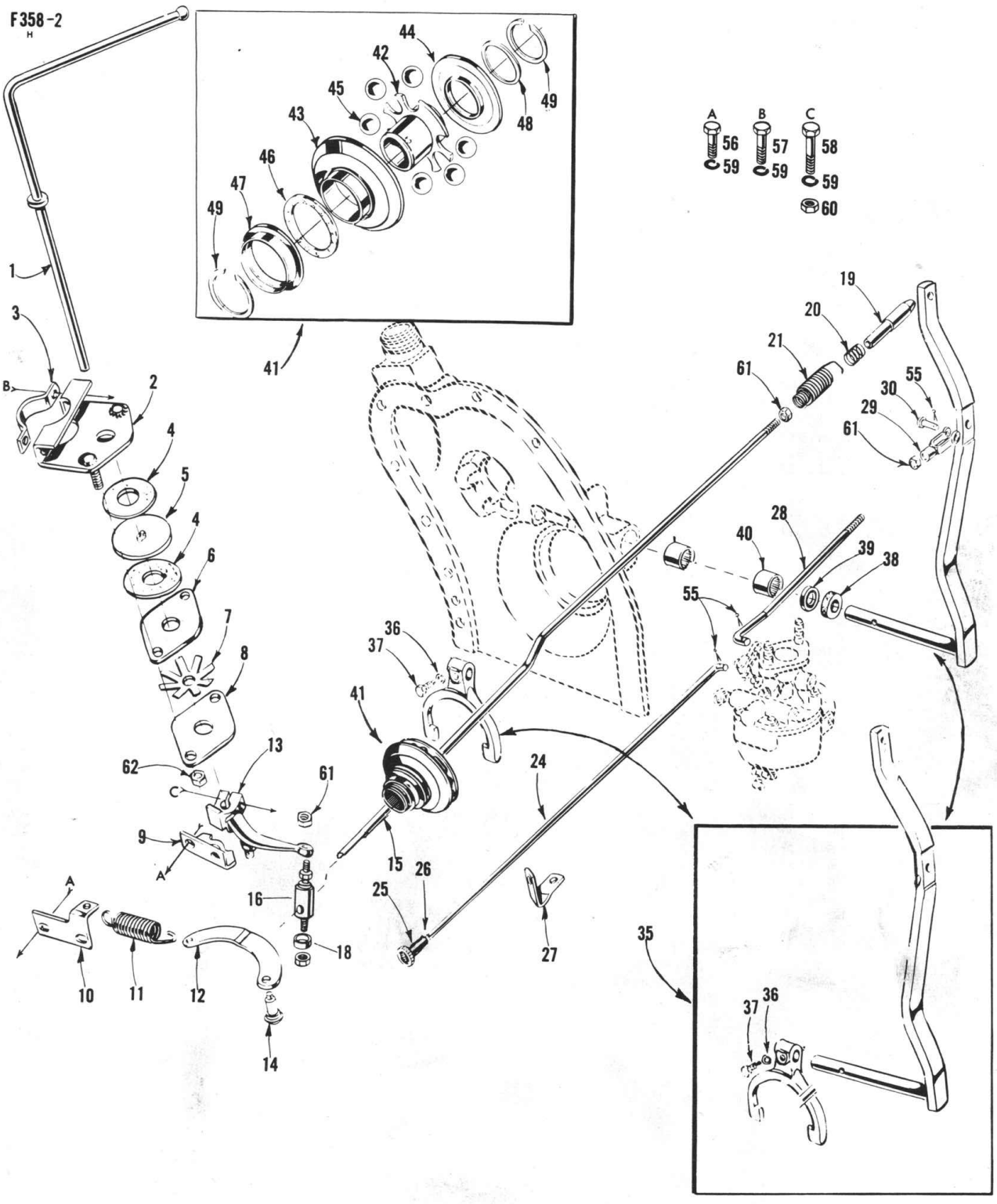
GAS

Ref. No.	Part No.	Description	No. Req.
1 (A)	841 509 M91	Tank Assembly, Fuel (Adapted for Sending Unit)	1
2	188 716 M94	Cap Assembly, Fuel Tank	1
3	188 116 M1	Cover, Sending Unit Hole	1
4	189 605 M1	Gasket, Cover or Sending Unit to Tank	1
5	189 604 M1	Screw, Cover or Sending Unit (#10 - 23 x 1/2" Special)	5
6 (B)	184 328 M91	Tank Assembly, Fuel (No Sending Unit Hole) (Order 841 509 M91)	1
7	180 144 M91	Cap Assembly, Fuel Tank (Order 188 716 M94)	1
8 (C)	185 403 M92	Shield Assembly, Heat (w/Baffle welded to Shield) (w/4" Filter Clearance Hole)	1
8 (D)	185 403 M91	Shield Assembly, Heat (w/Baffle welded to Shield) (w/3-1/4" Filter Clearance Hole)	1
9 (E)	185 547 M91	Shield Assembly, Heat (w/out Baffle)	1
10	184 589 M1	Baffle, Air (Used w/185 547 M91, Shield)	1
11	184 587 M1	Spacer, Fuel Tank, Rear	1
12	180 063 M1	Pad, Fuel Tank, Rear (1 x 7-7/8 x 1/8" Rubber)	1
13	180 086 M2	Pad, Fuel Tank (11/32 x 1 x 1/4" Rubber)	4
14	828 743 M1	Spring, Fuel Tank, Front	2
15 (A)	189 201 M91	Sending Unit, Fuel Gauge	1
16 (F)	193 861 M1	Strap, Sending Unit Ground	1
21 (C)	193 995 M91	Filter Assembly, Fuel	1
22	1 026 355 M91	Stem Assembly, Shut-Off	1
	1 026 356 M1	Sleeve, Shut-Off Stem	1
	1 026 357 M1	Packing, Sleeve	1
	1 026 358 M1	Nut	1
26	1 026 360 M1	Bowl Sediment (Heat Resistant Glass)	1
27	12 080 G	Screen, Strainer	1
28	1 026 359 M1	Gasket, Sediment Bowl	1
30	12 084 G	Bail Assembly	1
31	1 018 876 M1	Nut, Bail	1
36 (G)	180 141 M91	Filter Assembly, Fuel	1
37	180 098 M91	Body Assembly, Filter	1
38	180 077 M1	Strainer, Fuel	1
39	1 001 514 M1	Bowl, Sediment (Glass)	1
40	180 060 M1	Gasket, Bowl to Body	1
41	1 001 515 M91	Bail Assembly	1
42	180 061 M1	Wheel, Valve Control	1
43	180 053 M1	Packing, Valve Stem	1
44	180 059 M1	Nut, Packing Retaining	1
45	180 074 M1	Stem, Valve	1
46	180 073 M1	Washer, Valve Stem	1
47	1 016 918 M1	Screw, Wheel Retaining (#6 - 32 x 1/4" Rd. Hd.)	1
	678 362 M1	Bowl, Sediment (Metal) (Special Equipment)	1
49	184 308 M91	Tube Assembly, Fuel Line	1
50	195 444 M1	Nut, Fuel Line	2
56	195 642 M1	Screw (#8 Self-Tapping)	x
57	353 444 X1	Washer (#8 Lock)	x
58	22 427 X	Washer (#10 Lock)	x
59	358 990 X1	Nut (#10 NF, Hex.)	x
60	353 685 X1	Bolt (5/16 x 1-3/4" NC, Hex.)	x
61	354 783 X1	Bolt (5/16 x 3-1/4" NF, Carr.)	x
62	353 755 X1	Washer (5/16" Small Flat)	x
63	353 446 X1	Washer (5/16" Lock)	x
64	195 454 M1	Nut (5/16" NF, Hex., Special)	x

Notes: (A) - Used Tractor Serial Number 679883 and up.
(B) - Used prior to Tractor Serial Number 679883.
(C) - Used Tractor Serial Number 705255 and up.
(D) - Used prior to Tractor Serial Number 705 255. For Repairs order 185 403 M92, Shield.
(E) - No cut-off available. For Repairs order 185 403 M92, Shield.
(F) - Used Tractor Serial Number 699919 and up.
(G) - Used prior to Tractor Serial Number 705 255. For Repairs order 193 995 M91, Filter.

Note: Filter Clearance Hole in 185 403 M91 must be enlarged to accomodate Filter 193 995 M91 or 185 403 M91 must be replaced with 185 403 M92.

THROTTLE, CHOKE AND GOVERNOR



THROTTLE, CHOKE AND GOVERNOR

GAS AND L.P.

(AGRICULTURAL)

Ref. No.	Part No.	Description	No. Req.
1 (A)	192 462 M91	Lever Assembly, Throttle, Upper	1
1 (B)	184 421 M92	Lever Assembly, Throttle, Upper	1
2	184 423 M91	Bracket Assembly, Friction Mounting Plate	1
3	184 407 M1	Clamp, Mounting Bracket Retaining	1
4	184 507 M1	Disc, Friction (9/16 x 1-7/8 x 1/8" Cork)	2
5	184 405 M2	Washer, Friction Disc	1
6	184 439 M1	Plate, Throttle, Upper	1
7	184 150 M2	Spring, Throttle Tension (Star Washer)	1
8	184 410 M1	Plate, Throttle, Lower	1
9	182 336 M2	Bracket, Lower Throttle Lever	1
10	184 412 M1	Bracket, Balance Spring Mounting	1
11	184 413 M1	Spring, Balance	1
12	184 411 M1	Link, Balance Spring	1
13	184 415 M2	Lever, Throttle, Lower	1
14	831 523 M1	Screw, Spring Link Retaining	1
15	184 414 M1	Rod, Governor Control	1
16	184 430 M91	Joint Assembly, Ball	1
18	687 037 M1	Clamp, Ball Joint	1
19	184 425 M1	Plunger, Governor Spring	1
20	184 427 M1	Spring, Compression (Inner)	1
21	184 426 M1	Spring, Tension (Outer)	1
24	193 303 M91	Rod Assembly, Choke Control (Gas) (Agricultural) (Straight)	1
24	186 769 M92	Rod Assembly, Choke Control (L.P.) (Offset)	1
25	193 346 M1	Knob, Choke Rod	1
26	358 990 X1	Nut, Knob Lock (#10 - 32 Hex.)	1
27	184 409 M1	Bracket, Choke Rod	1
28	181 534 M2	Rod, Carbureter to Governor	1
29	195 551 M1	Clevis, Rod	1
30	354 187 X1	Pin, Clevis	1
35	1 753 827 M91	Arm Assembly, Governor, w/Fork	1
36	1 753 828 M1	Washer, Fork Screw Lock	1
37	1 753 829 M1	Screw, Lock, Governor Fork	1
38	1 005 973 M1	Seal, Dust (1/2 x 1 x 1/4" Felt)	1
39	18 567 X	Seal, Oil (1/2 x 1 x 3/8")	1
40	831 535 M1	Bearing, Needle, Governor Shaft	2
41	1 753 824 M91	Governor Assembly	1
42	1 754 100 M91	Driver Assembly, Governor Sleeve	1
43	1 754 101 M91	Race Assembly, Inner	1
44	1 754 102 M1	Race, Outer	1
45	15 024 X	Ball (3/4" Diameter)	6
46	1 754 107 M1	Bearing, Thrust	1
47	1 754 103 M1	Base, Fork	1
48	1 754 104 M1	Washer, Thrust (1-19/32 x 2 x 1/16")	1
49	1 754 108 M1	Ring, Snap, Governor Retaining	2
55	354 039 X1	Cotter Pin (1/16 x 1/2")	x
56	353 666 X1	Bolt (1/4 x 5/8" NC, Hex.)	x
57	353 504 X1	Bolt (1/4 x 7/8" NC, Hex.)	x
58	353 506 X1	Bolt (1/4 x 1-1/8" NF, Hex.)	x
59	353 441 X1	Washer (1/4" Lock)	x
60	353 918 X1	Nut (1/4" NF, Hex.)	x
61	353 919 X1	Nut (1/4" NF, Half Hex.)	x
62	358 657 X1	Nut (5/16" NC, Hex., w/Nylon Insert)	x

Notes: (A) - Used Tractor Serial No. 692932 and up.
(B) - Used prior to Tractor Serial No. 692392.

THROTTLE, CHOKE AND GOVERNOR

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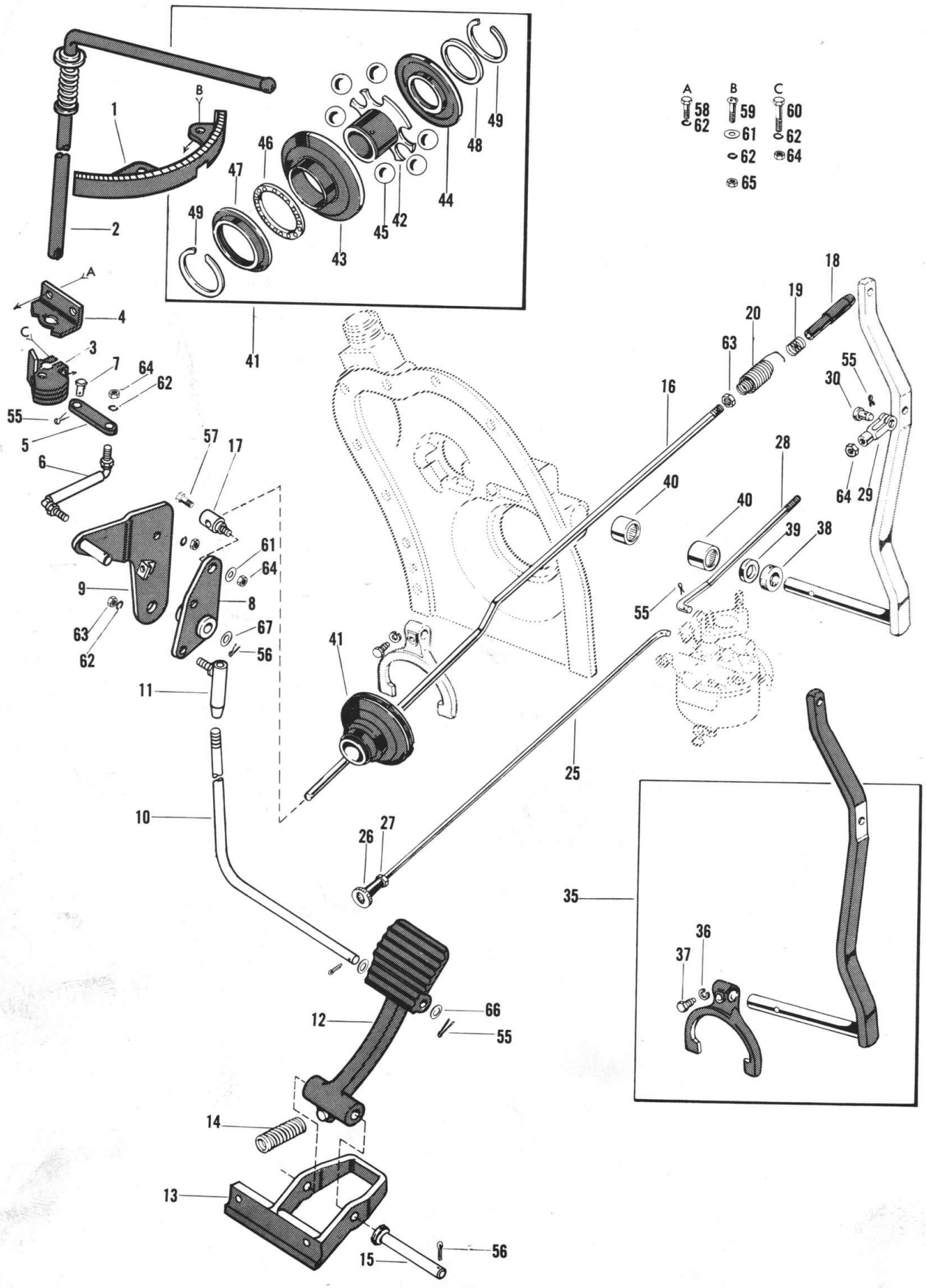
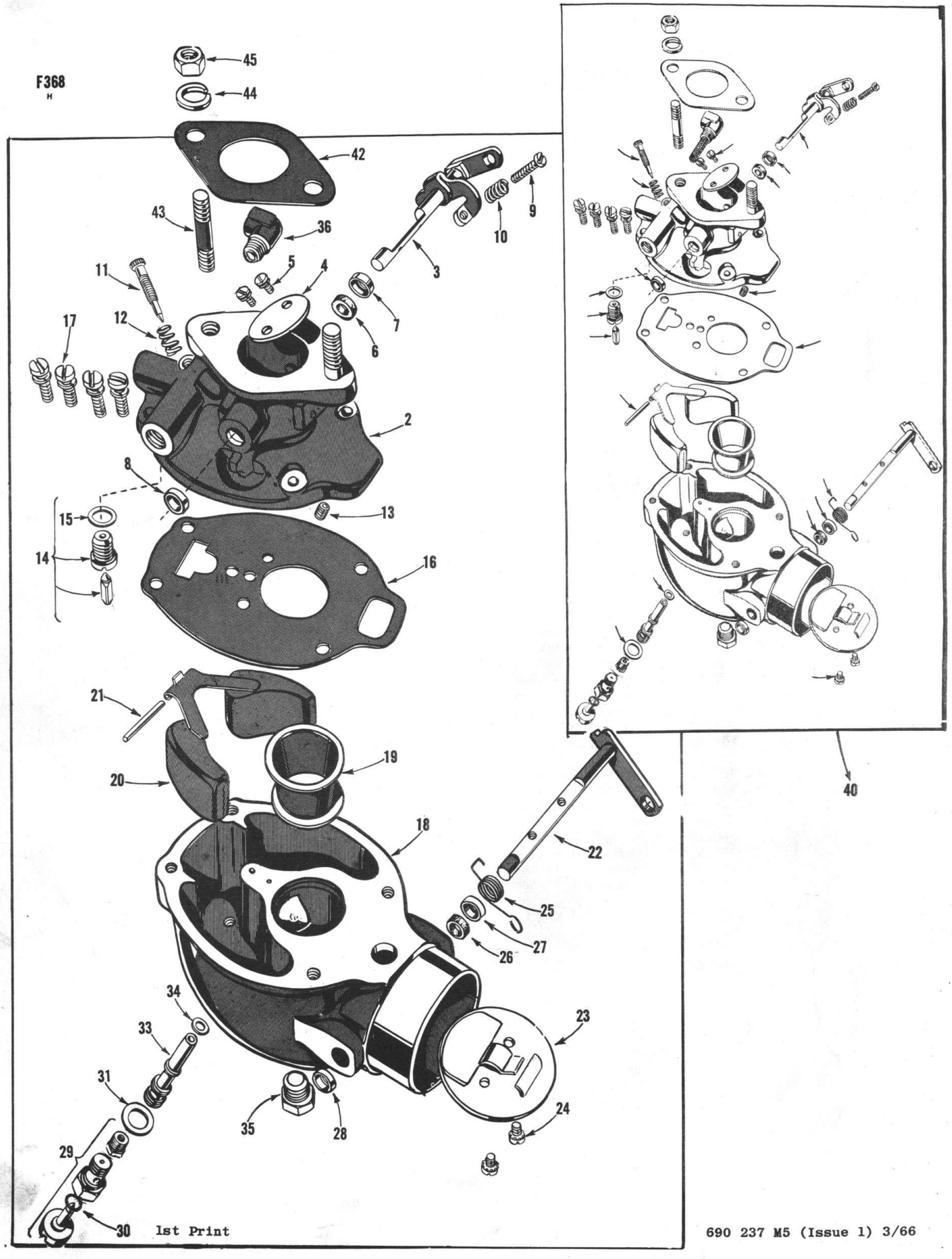


THROTTLE, CHOKE AND GOVERNOR

UTILITY - GAS

Ref. No.	Part No.	Description	No. Req.
1	186 404 M1	Quadrant, Hand Throttle Lever	1
2	186 403 M91	Lever Assembly, Hand Throttle, Upper	1
3	186 401 M1	Lever, Hand Throttle, Lower	1
4	182 336 M2	Guide, Upper Throttle Lever	1
5	186 392 M1	Arm, Throttle Link	1
6	186 393 M1	Link, Throttle	1
7	354 187 X1	Pin, Clevis, Arm to Lever	1
8	186 394 M91	Lever Assembly, Foot Throttle	1
9	186 399 M92	Support Assembly, Lever	1
10	186 406 M1	Rod, Foot Pedal Link	1
11	185 356 M1	Ball Joint, Rod to Lever	1
12	184 839 M1	Pedal, Foot Throttle	1
13	184 837 M1	Support, Foot Pedal	1
14	186 400 M1	Spring, Foot Pedal	1
15	195 610 M1	Pin, Pivot, Foot Pedal	1
16	186 405 M1	Rod, Governor Control	1
17	186 396 M1	Anchor, Governor Rod	1
18	184 425 M1	Plunger, Governor Spring	1
19	184 427 M1	Spring, Compression (Inner)	1
20	184 426 M1	Spring, Tension (Outer)	1
25	193 303 M91	Rod Assembly, Choke Control	1
26	193 346 M1	Knob, Choke Rod	1
27	358 990 X1	Nut, Knob Lock (#10 - 32 Hex.)	1
28	181 534 M2	Rod, Carburetor to Governor	1
29	195 551 M1	Clevis, Rod	1
30	354 187 X1	Pin, Clevis	1
35	1 753 827 M91	Arm Assembly, Governor, w/Fork	1
36	1 753 828 M1	Washer, Fork Screw Lock	1
37	1 753 829 M1	Screw, Lock, Governor Fork	1
38	1 005 973 M1	Seal, Dust (1/2 x 1 x 1/4" Felt)	1
39	18 567 X	Seal, Oil (1/2 x 1 x 3/8")	1
40	831 535 M1	Bearing, Needle, Governor Shaft	2
41	1 753 824 M91	Governor Assembly	1
42	1 754 100 M91	Driver Assembly, Governor Sleeve	1
43	1 754 101 M91	Race Assembly, Inner	1
44	1 754 102 M1	Race, Outer	1
45	15 024 X	Ball (3/4" Dia.)	6
46	1 754 107 M1	Bearing, Thrust	1
47	1 754 103 M1	Base, Fork	1
48	1 754 104 M1	Washer, Thrust (1-19/32 x 2 x 1/16")	1
49	1 754 108 M1	Ring, Snap, Governor Retaining	2
55	354 039 X1	Cotter Pin (1/16 x 1/2")	x
56	354 048 X1	Cotter Pin (3/32 x 3/4")	x
57	353 501 X1	Bolt (1/4 x 1/2" NF, Hex.)	x
58	353 666 X1	Bolt (1/4 x 5/8" NC, Hex.)	x
59	353 990 X1	Screw (1/4 x 3/4" NC, Rd. Hd.)	x
60	353 506 X1	Bolt (1/4 x 1-1/8" NF, Hex.)	x
61	353 754 X1	Washer (1/4" Small Flat)	x
62	353 441 X1	Washer (1/4" Lock)	x
63	353 919 X1	Nut (1/4" NF, Half Hex.)	x
64	353 918 X1	Nut (1/4" NF, Hex.)	x
65	355 564 X1	Nut (1/4" NC, Hex.)	x
66	353 755 X1	Washer (5/16" Small Flat)	x
67	353 756 X1	Washer (3/8" Small Flat)	x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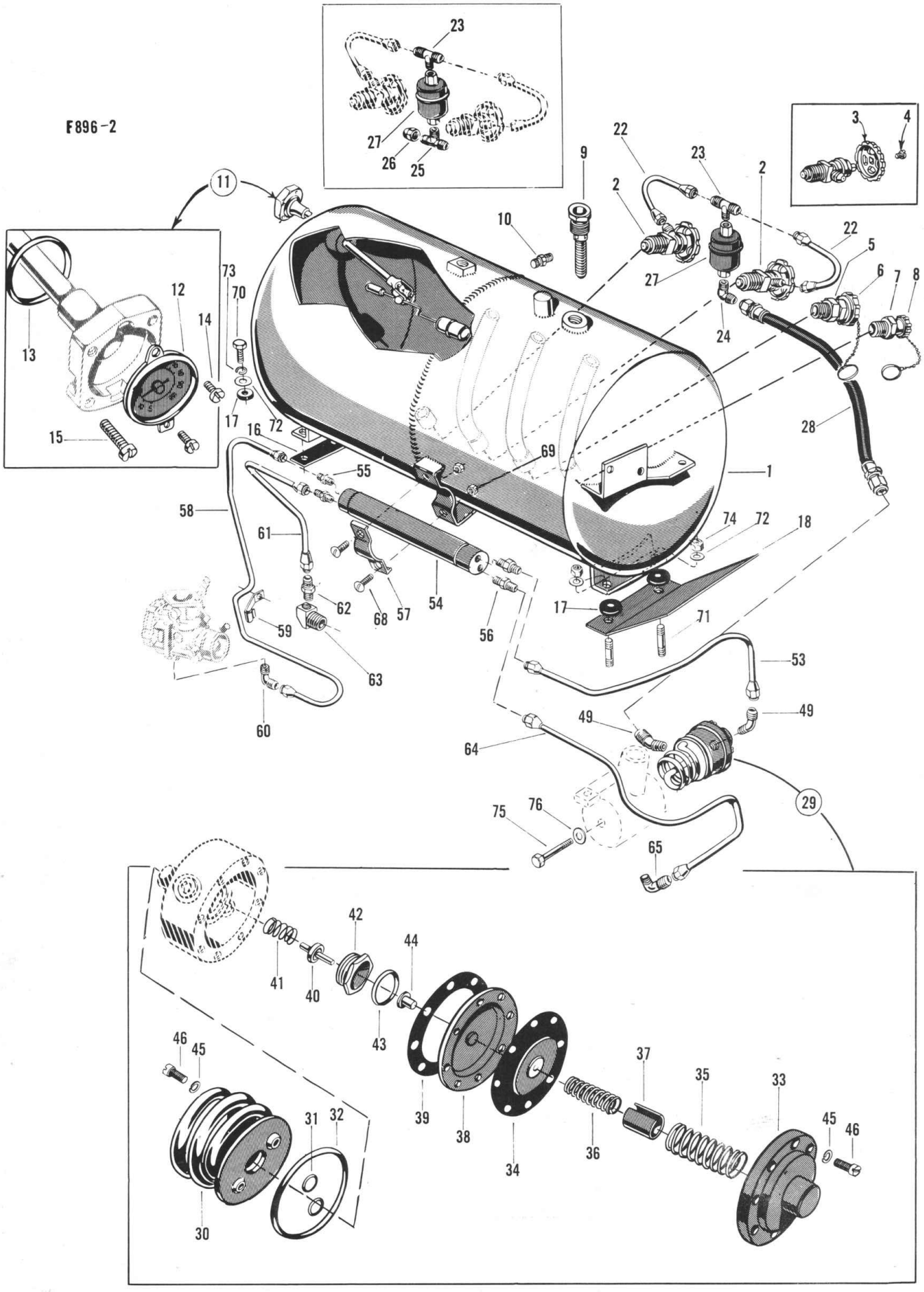
GAS

Ref. No.	Part No.	Description	No. Req.
	184 301 M92	Carbureter Assembly	1
2	1 754 163 M91	Body Assembly	1
3 (A)	1 031 055 M91	Shaft Assembly, Throttle Lever	1
4	1 508 836 M1	Disc, Throttle	1
5 (A)	16 507 A	Screw, Throttle Disc (#6 - 32 x 1/4" Sems)	2
6 (A)	1 006 063 M1	Seal, Dust, Throttle Shaft	1
7 (A)	1 501 079 M1	Retainer, Dust Seal	1
8 (A)	1 006 062 M1	Cup, Body (Throttle Shaft Plug)	1
9	15 487 A	Screw, Throttle Lever Stop (#8 - 32 x 3/4" Fill. Hd.)	1
10	14 827 A	Spring, Throttle Stop Screw	1
11 (A)	15 470 A	Needle, Idle Adjusting	1
12 (A)	15 471 A	Spring, Idle Adjusting Needle	1
13 (A)	15 469 A	Jet, Idle	1
14 (A)	14 876 A	Valve Assembly, Fuel, w/Seat	1
15 (A)	14 856 A	Gasket, Fuel Valve	1
16 (A)	1 501 064 M1	Gasket, Body to Bowl	1
17	22 615 X	Screw, Body to Bowl (#12 - 24 x 3/4" Sems)	4
18	1 754 152 M91	Bowl Assembly	1
19	1 754 160 M1	Venturi	1
20	1 508 838 M91	Float Assembly	1
21 (A)	14 865 A	Pin, Float Hinge	1
22	1 754 155 M91	Shaft Assembly, Choke Lever	1
23	35 162 A	Disc Assembly, Choke	1
24 (A)	16 507 A	Screw, Choke Disc (#6 - 32 x 1/4" Sems)	2
25 (A)	1 754 154 M1	Spring, Choke Lever Return	1
26 (A)	15 488 A	Seal, Dust, Choke Shaft	1
27 (A)	15 489 A	Retainer, Dust Seal	1
28	1 500 143 M1	Cup, Bowl (Choke Shaft Plug)	1
29	1 754 158 M91	Needle Assembly, Main Adjusting	1
30	1 754 159 M1	"O" Ring, Main Adjusting Needle	1
31 (A)	1 005 777 M1	Gasket, Needle Seat	1
33	1 754 161 M1	Nozzle, Main	1
34 (A)	14 848 A	Gasket, Main Nozzle	1
35	15 461 A	Plug, Bowl Drain	1
36	16 993 X	Elbow, Fuel Inlet	1
40	835 585 M91	Repair Kit, Carbureter (Incl. all Items marked "A")	1
	841 195 M91	Gasket Kit, Carbureter (Incl. 1 - 14 856 A, 1 - 14 848 A, 1 - 1 501 064 M1 and 1 - 1 005 777 M1)	1
42	185 199 M2	Gasket, Carbureter to Manifold	1
43	831 647 M1	Stud (3/8" NC-NF x 1-3/16")	2
44	353 434 X1	Washer (3/8" Lock)	2
45	353 431 X1	Nut (3/8" NF, Hex.)	2

FUEL TANK AND LINES, VAPORIZER



FUEL TANK AND LINES, VAPORIZER

L.P.

(USED TRACTOR SERIAL NO. 692932 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	192 745 M91	Tank Assembly, Fuel	1
2	184 727 M91	Valve Assembly, Liquid and Vapor	2
3	1 754 684 M1	Wheel, Hand, Valve Operating	1
4	1 754 685 M1	Screw, Hand Wheel Retaining	1
5	184 730 M92	Valve Assembly, Fuel Filler	1
6	1 019 375 M91	Cap Assembly, Dust	1
7	184 733 M91	Valve Assembly, Vapor Return	1
8	1 018 962 M91	Cap Assembly, Dust	1
9	184 739 M92	Valve Assembly, Internal Safety	1
10	184 736 M91	Gauge Assembly, Liquid Level, Fixed	1
11	184 747 M91	Gauge Assembly, Liquid Level, Float	1
12	1 753 952 M91	Dial Assembly, Gauge	1
13	1 753 953 M1	Gasket, Gauge Body	1
14	359 025 X1	Screw, Dial (#6 - 32 Self-Tapping)	2
15	359 024 X1	Screw, Body (1/4 x 7/8" NF, Fill. Hd.)	4
16	180 063 M1	Pad, Fuel Tank, Rear	1
17	180 086 M2	Pad, Fuel Tank, Rear and Front	4
18	185 109 M1	Baffle, Air	1
22	184 636 M91	Line Assembly, Liquid and Vapor Valve to Fuel Filter	1
23	186 465 M1	Tee, Fuel Filter Inlet	1
24 (B)	186 057 M1	Elbow, Fuel Filter Outlet	1
25 (C)	186 465 M1	Tee, Fuel Filter Outlet	1
26 (C)	185 981 M1	Cap, Sealing, Outlet Tee (Order 1 - 186 057 M1)	1
27	184 634 M2	Filter, L.P. Fuel (Throw-away Type)	1
28	185 682 M1	Hose, Fuel Filter to Vaporizer	1
29	191 175 M92	Vaporizer Assembly	1
30	1 022 266 M91	Coil Assembly	1
31 (A)	363 704 X1	"O" Ring, Coil	2
32 (A)	1 506 223 M1	"O" Ring, Coil Plate to Body	1
33	1 022 268 M1	Cover, Diaphragm	1
34 (A)	1 021 947 M91	Diaphragm Assembly	1
35 (A)	1 022 262 M1	Spring, Diaphragm, Outer	1
36 (A)	1 022 261 M1	Spring, Diaphragm, Inner	1
37	1 022 264 M1	Dampener, Vibration	1
38	1 022 265 M1	Plate, Baffle	1
39 (A)	1 022 263 M1	Gasket, Baffle Plate to Body	1
40 (A)	1 022 258 M91	Valve Assembly, Fuel	1
41	1 022 260 M1	Spring, Fuel Valve	1
42	1 022 267 M91	Seat Assembly, Valve	1
43 (A)	851 134 M1	"O" Ring, Valve Seat	1
44 (A)	1 022 259 M1	Cap, Fuel Valve	1
45	353 445 X1	Washer (#10 Lock)	12
46	357 444 X1	Screw (#10 x 1/2" NC, Fill. Hd.)	12
	356 040 X1	Plug, Body (1/4" P.T., Sckt. Hd.)	1
	835 692 M91	Repair Kit, Vaporizer (Incl. all Items marked "A")	1
49	363 502 X1	Elbow, Fuel Line (in Vaporizer)	2
53	192 698 M91	Line Assembly, Vaporizer to Heat Exchanger	1
54	191 133 M91	Heat Exchanger Assembly	1
55	1 022 289 M1	Connector, Vapor Lines (Upper)	2
56	2 313 X	Connector, Water Lines (Lower)	2
57	192 701 M1	Clamp, Heat Exchanger	1
58	192 697 M91	Line Assembly, Heat Exchanger to Carbureter	1
59	185 321 M1	Clip, Carbureter Fuel Line	1
60	1 754 871 M1	Elbow, Carbureter Fuel Line (at Carbureter)	1
61	192 699 M91	Line Assembly, Water Outlet	1
62	2 313 X	Connector, Water Outlet Line	1
63	192 700 M1	Adapter, Water Outlet Line (at Block)	1
64	192 696 M91	Line Assembly, Heat Exchanger to Water Pump	1
65	2 314 X	Elbow, Line (at Water Pump)	1
68	353 992 X1	Screw (1/4 x 1" NC, Rd. Hd.)	x
69	363 808 X1	Nut (1/4" NC, Hex.)	x
70	353 680 X1	Bolt (5/16 x 1-1/8" NC, Hex.)	x
71	831 961 M1	Stud (5/16" NF x 1-1/2")	x
72	353 755 X1	Washer (5/16" Small Flat)	x
73	353 446 X1	Washer (5/16" Lock)	x
74	195 454 M1	Nut (5/16" NF, Hex., Special)	x
75	354 273 X1	Bolt (3/8 x 3" NC, Hex.)	x
76	17 186 X	Washer (3/8" Flat)	x

Notes: (B) - Used Tractor Serial No. 694092 and up.
(C) - Used prior to Tractor Serial No. 694092.

FUEL TANK, FUEL FILTER AND LINES

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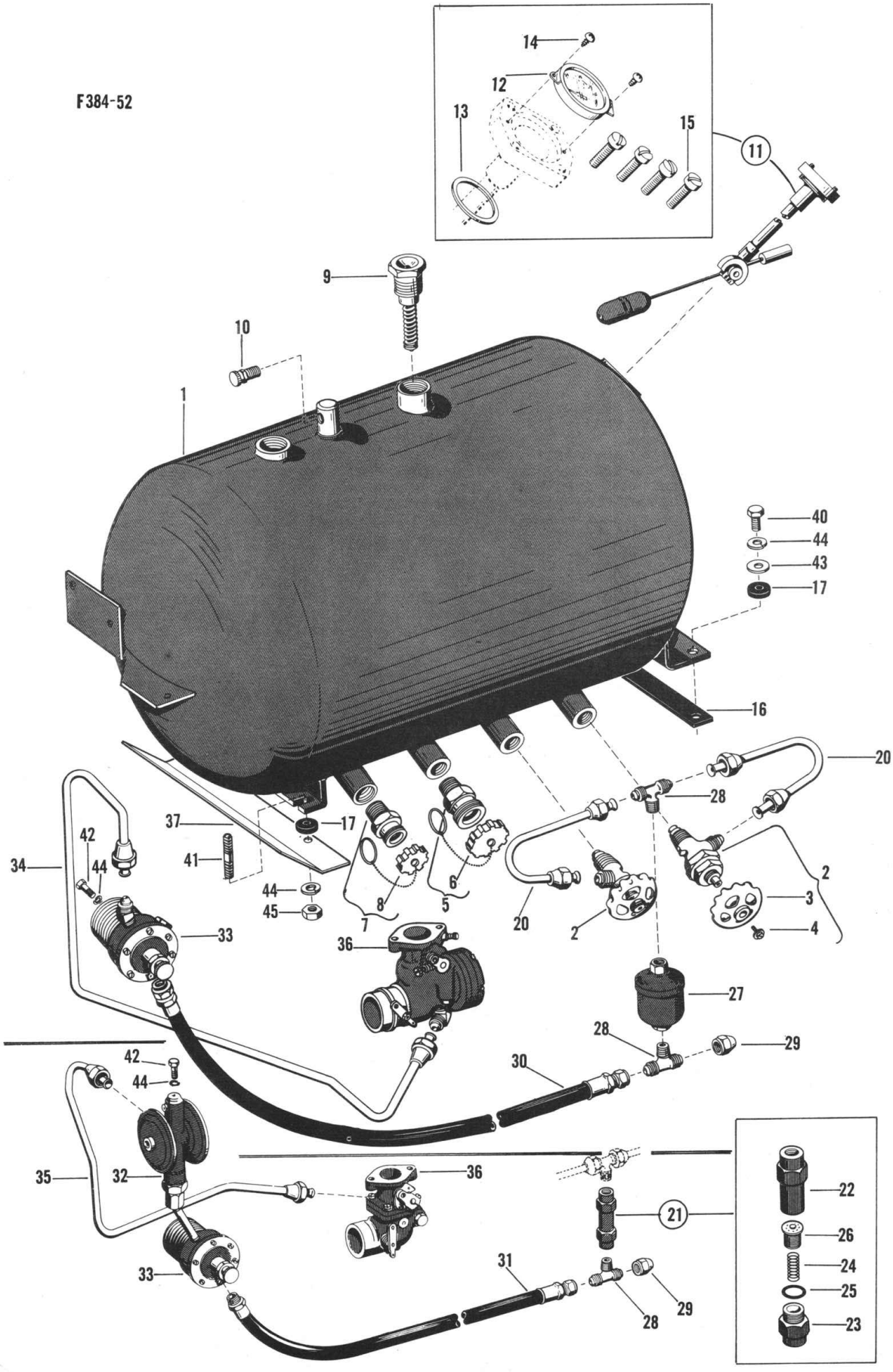

FUEL TANK, FUEL FILTER AND LINE

L.P.

(USED PRIOR TO TRACTOR SERIAL NO. 692932)

Ref. No.	Part No.	Description	No. Req.
1	185 106 M91	Tank Assembly, Fuel	1
2	184 727 M91	Valve Assembly, Liquid or Vapor	2
3	1 754 684 M1	Wheel, Hand, Valve	1
4	1 754 685 M1	Screw, Hand Wheel	1
5	184 730 M92	Valve Assembly, Fuel Filler	1
6	1 019 375 M91	Cap Assembly, Dust	1
7	184 733 M91	Valve Assembly, Vapor Return	1
8	1 018 962 M91	Cap Assembly, Dust	1
9	184 739 M92	Valve Assembly, Internal Safety	1
10	184 736 M91	Gauge Assembly, Liquid Level, Fixed	1
11	184 747 M91	Gauge Assembly, Liquid Level, Float	1
12	1 753 952 M91	Dial Assembly, Gauge	1
13	1 753 953 M1	Gasket, Gauge Body	1
14	359 025 X1	Screw, Dial (#6 - 32 Self-Tapping)	2
15	359 024 X1	Screw, Body (1/4 x 7/8" NF, Fill. Hd.)	4
16	180 063 M1	Pad, Fuel Tank, Rear	1
17	180 086 M2	Pad, Fuel Tank, Rear and Front	4
20	184 636 M91	Line Assembly, Fuel Tank Valves to Fuel Filter	2
21	185 683 M91	Filter Assembly, Fuel (Order 184 634 M2)	1
22	1 754 610 M1	Body, Filter	1
23	1 754 611 M1	Head, Filter	1
24	1 754 612 M1	Spring, Filter	1
25	1 754 613 M1	Gasket, Head to Body	1
26	1 018 139 M91	Element Assembly, Filter	1
27	184 634 M2	Filter Assembly, Fuel (Throw-away Type)	1
28	186 465 M1	Tee, Fuel Filter	2
29	185 981 M1	Cap, Sealing (Order 186 057 M1 Elbow)	1
30	185 682 M1	Hose Assembly, Filter to Vaporizer (17-5/8" Long)(w/Female Fittings Both Ends)	1
31 (E)	185 165 M1	Hose Assembly, Filter to Vaporizer (22" Long) (w/Male and Female Fittings) (See Note)	1
32		Regulator Assembly (See Pages 35 and 37)	1
33		Vaporizer Assembly (See Pages 35 and 37)	1
34 (A)	186 767 M91	Line Assembly, Vaporizer to Carbureter	1
35 (B)	185 107 M91	Line Assembly, Regulator to Carbureter	1
36		Carbureter Assembly (See Pages 33 and 35)	1
37	185 109 M1	Baffle, Air	1
40	353 679 X1	Bolt (5/16 x 1" NC, Hex.)	x
41 (C)	831 961 M1	Stud (5/16" NF x 1-1/2")	x
41 (D)	353 681 X1	Bolt (5/16 x 1-1/4" NC, Hex.)	x
42	354 267 X1	Bolt (5/16 x 1-7/8" NC, Hex.)	x
43	353 755 X1	Washer (5/16" Small Flat)	x
44	353 446 X1	Washer (5/16" Lock)	x
45 (D)	355 565 X1	Nut (5/16" NC, Hex.)	x
45 (C)	353 916 X1	Nut (5/16" NF, Hex.)	x

Notes: (A) - Used Tractor Serial Number 673300 and up.
(B) - Used prior to Tractor Serial Number 673300.
(C) - Used Tractor Serial Number 676382 and up.
(D) - Used prior to Tractor Serial Number 676382.
(E) - For Repairs order (1) 185 682 M1, Hose and (1) 1754 445 M1, Elbow (5/8" - 18 x 1/4" P.T., 90°)

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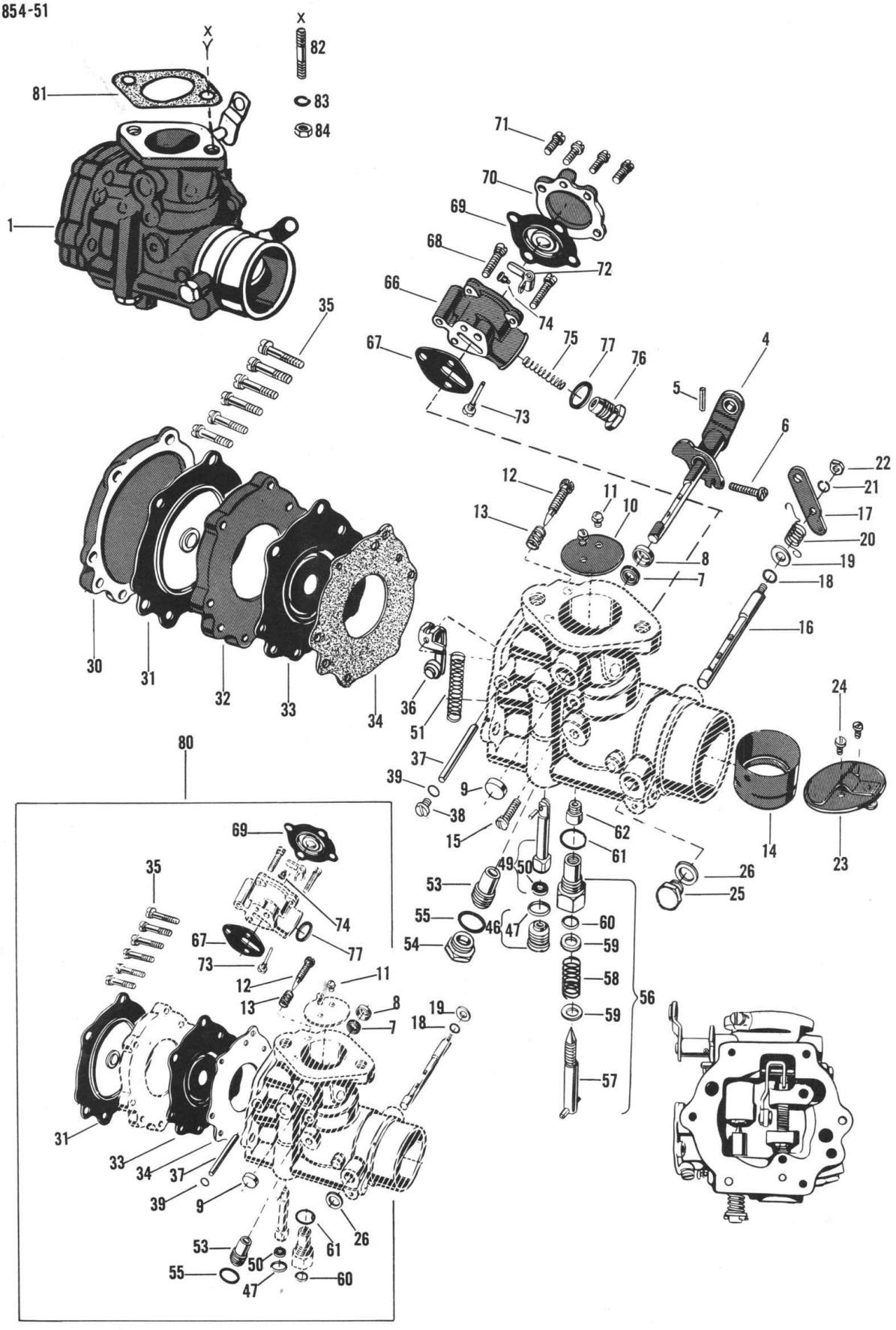
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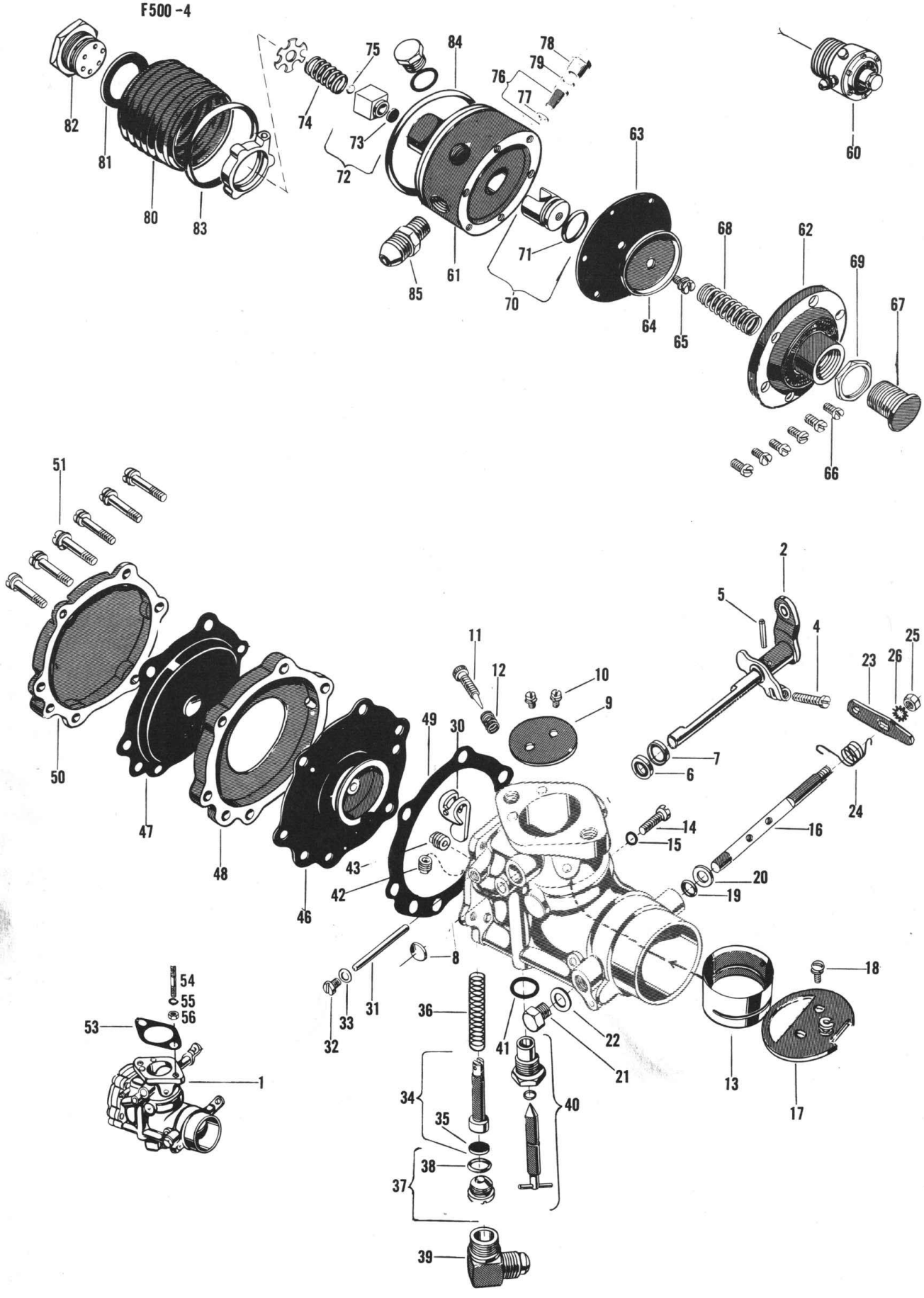
CARBURETER

L.P.

(USED TRACTOR SERIAL NO. 692263 AND UP)

Ref. No.		Part No.	Description	No. Req.
1		192 869 M91	Carbureter Assembly, w/Regulator	1
4		1 017 780 M91	Shaft Assembly, Throttle Lever	1
5		357 613 X1	Pin, Throttle	1
6		1 508 022 M1	Screw, Stop Throttle Lever	1
7	(A)	1 508 020 M1	Seal, Dust, Throttle Shaft	1
8	(A)	1 754 850 M1	Retainer, Dust Seal	1
9	(A)	17 708 A	Plug, Throttle Shaft Hole	1
10		1 509 408 M1	Disc, Throttle	1
11	(A)	1 024 885 M91	Screw, Throttle Disc Retaining	2
12	(A)	1 754 853 M1	Screw, Idle Adjusting	1
13	(A)	17 803 A	Spring, Idle Adjusting Screw	1
14		1 017 258 M1	Venturi	1
15		1 022 224 M91	Screw Assembly, Venturi Retaining	1
16		1 000 189 M1	Shaft, Choke	1
17		1 754 855 M1	Lever, Choke	1
18	(A)	1 753 955 M1	"O" Ring, Choke Shaft	1
19	(A)	17 818 A	Washer, "O" Ring Retaining	1
20		1 754 856 M1	Spring, Choke Lever Return	1
21		16 371 X	Washer, Choke Shaft	1
22		17 688 A	Nut, Choke Lever Retaining	1
23		1 754 969 M91	Disc Assembly, Choke	1
24		1 006 627 M91	Screw Assembly, Choke Disc Retaining	2
25		17 685 A	Plug, Choke Shaft Hole	1
26	(A)	17 686 A	Washer, Choke Shaft Plug	1
30		1 022 286 M1	Cover, Regulator Diaphragm	1
31	(A)	1 754 866 M91	Diaphragm Assembly, Regulator, Outer	1
32		1 022 285 M1	Spacer, Diaphragm	1
33	(A)	1 754 864 M91	Diaphragm Assembly, Regulator, Inner	1
34	(A)	1 755 049 M1	Gasket, Inner Diaphragm to Body	1
35	(A)	1 754 868 M1	Screw, Regulator Retaining	6
36		1 022 216 M91	Lever Assembly, Diaphragm Control	1
37	(A)	1 754 858 M1	Axle, Diaphragm Lever Pivot	1
38		1 754 859 M1	Screw, Axle Retaining	1
39	(A)	17 697 A	Washer, Axle Retaining Screw	1
46		1 017 257 M91	Orifice Assembly, Fuel Inlet	1
47	(A)	363 704 X1	"O" Ring, Fuel Inlet Orifice	1
	(A)	1 017 389 M1	Plug, Inlet Orifice	1
		1 017 260 M1	Screw, Inlet Orifice	1
49		1 017 259 M91	Valve Assembly, Fuel	1
50	(A)	1 754 987 M1	Seat, Fuel Valve Disc	1
51		1 755 252 M1	Spring, Fuel Valve	1
		1 017 388 M1	Plug, Compensator Jet Hole	1
53	(A)	1 022 218 M91	Valve Assembly, Check, Economizer	1
54		1 022 250 M1	Plug, Economizer Check Valve	1
55	(A)	1 754 870 M1	Washer, Economizer Check Valve Plug	1
56		1 022 222 M91	Adjuster Assembly, Main Jet	1
57		1 022 517 M91	Needle Assembly, Main Adjustment	1
58		1 022 518 M1	Spring, Main Adjustment Needle	1
59		1 022 519 M1	Washer, Main Adjustment Needle Spring Retaining	2
60	(A)	762 191 M1	"O" Ring, Main Adjuster Body	1
61	(A)	1 754 870 M1	Washer, Main Jet Adjuster Body	1
62		1 754 874 M1	Jet, Main	1
66		1 022 715 M91	Housing Assembly, Idle Diaphragm	1
67	(A)	1 022 251 M1	Gasket, Idle Housing to Body	1
68		1 022 252 M91	Screw Assembly, Housing to Body	2
69	(A)	1 022 237 M91	Diaphragm Assembly, Idle	1
70		1 022 288 M1	Cover, Idle Diaphragm	1
71		1 022 254 M91	Screw Assembly, Idle Diaphragm Cover Retaining	4
72		1 022 253 M91	Lever Assembly, Idle Diaphragm	1
73	(A)	1 022 236 M1	Axle, Idle Diaphragm Lever	1
74	(A)	1 022 221 M1	Disc, Idle Diaphragm Lever	1
75		1 022 255 M1	Spring, Idle Diaphragm Lever	1
76		1 022 256 M1	Retainer, Idle Diaphragm Lever Spring	1
77	(A)	1 022 238 M1	Washer, Idle Diaphragm Lever Spring Retainer	1
80		835 691 M91	Repair Kit, Carbureter (Incl. all Items marked "A")	1
81		185 199 M2	Gasket, Carbureter to Manifold	1
82		195 590 M1	Stud (3/8" NC-NF x 1-7/16")	2
83		353 434 X1	Washer (3/8" Lock)	2
84		353 431 X1	Nut (3/8" NF, Hex.)	2

CARBURETER AND FUEL REGULATOR, VAPORIZER



CARBURETER AND REGULATOR

L.P.
(USED TRACTOR SERIAL NO. 673300 THRU 692262)

Ref. No.		Part No.	Description	No. Req.
1		186 765 M91	Carbureter Assembly, w/Regulator (Order 192 869 M91)	1
2		1 017 780 M91	Shaft Assembly, Throttle Lever	1
4		1 508 022 M1	Screw, Stop Lever	1
5		375 613 X1	Pin, Lever to Shaft	1
6	(A)	1 508 020 M1	Seal, Dust, Throttle Shaft	1
7	(A)	1 754 850 M1	Retainer, Dust Seal	1
8		17 708 A	Plug, Throttle Shaft Hole	1
9		1 509 408 M1	Disc, Throttle	1
10	(A)	1 024 885 M91	Screw, Throttle Disc	2
11	(A)	1 754 853 M1	Needle, Idle Adjusting	1
12	(A)	17 803 A	Spring, Adjusting Needle	1
13		1 754 872 M1	Venturi	1
14		1 754 873 M1	Screw, Venturi	1
15		11 539 X	Washer, Lock, Venturi Screw	1
16		1 000 189 M1	Shaft, Choke	1
17		1 754 969 M91	Disc Assembly, Choke	1
18		1 006 627 M91	Screw Assembly, Choke Disc Retaining	2
19		1 753 955 M1	"O" Ring, Choke Shaft Dust Seal	1
20		17 818 A	Washer, "O" Ring Retainer	1
21		17 685 A	Plug, Choke Shaft Hole	1
22		17 686 A	Washer, Choke Shaft Plug	1
23		1 017 255 M1	Lever, Choke Shaft	1
24		1 754 856 M1	Spring, Choke Lever Return	1
25		17 688 A	Nut, Choke Lever to Shaft	1
26		16 371 X	Washer, Lock, Choke Shaft Nut	1
30		1 017 256 M1	Lever, Diaphragm	1
31	(A)	1 754 858 M1	Axle, Pivot, Diaphragm Lever	1
32		1 754 859 M1	Screw, Pivot Axle Retainer	1
33		17 697 A	Washer, Lock, Axle Screw	1
34		1 017 259 M91	Valve Assembly, Fuel, w/Seat	1
35	(A)	1 754 987 M1	Seat, Valve	1
36		1 755 252 M1	Spring, Fuel Valve	1
37		1 017 257 M91	Orifice Assembly, Fuel Inlet	1
38	(A)	363 704 X1	"O" Ring, Orifice	1
39	(A)	1 754 871 M1	Elbow, Fuel Inlet	1
40		1 754 869 M91	Needle Assembly, Main Jet	1
41	(A)	1 754 870 M1	Washer, Main Jet Adjusting	1
42		1 754 874 M1	Jet, Main	1
43		1 017 388 M1	Jet, Compensator	1
46	(A)	1 754 864 M91	Diaphragm Assembly, Regulator, Inner	1
47	(A)	1 754 866 M91	Diaphragm Assembly, Regulator, Outer	1
48		1 754 865 M1	Spacer, Diaphragm	1
49	(A)	1 755 049 M1	Gasket, Regulator to Carbureter	1
50		1 754 867 M1	Cover, Regulator	1
51	(A)	1 754 868 M1	Screw, Regulator Cover	6
53		185 199 M2	Gasket, Carbureter to Manifold	1
54		831 647 M1	Stud (3/8" NC-NF x 1-3/16")	2
55		353 434 X1	Washer (3/8" Lock)	2
56		353 431 X1	Nut (3/8" NF, Hex.)	2
		835 586 M91	Repair Kit, Carbureter (Incl. all items marked "A")	1

VAPORIZER

(USED TRACTOR SERIAL NOS. 673300 to 692 932)

60		186 766 M91	Vaporizer Assembly	1
61		1 753 571 M91	Body Assembly (Order 186 766 M91)	1
62		1 753 559 M91	Cover Assembly, Diaphragm	1
63	(A)	1 753 561 M1	Diaphragm	1
64		1 753 560 M1	Retainer, Diaphragm	1
65		358 995 X1	Screw, Diaphragm (#10 - 32 x 1/4" Fill. Hd.)	1
66		358 994 X1	Screw, Cover (#8 - 32 x 5/16" Fill. Hd.)	6
67		1 753 556 M1	Screw, Pressure Adjusting	1
68		1 753 558 M1	Spring, Pressure Adjusting Screw	1
69		1 753 557 M1	Nut, Lock, Adjusting Screw	1
70		1 753 562 M91	Piston Assembly, Vaporizer	1
71	(A)	832 652 M1	"O" Ring, Piston	1
72		1 753 563 M91	Valve Assembly, Inlet	1
73	(A)	1 753 564 M1	Seat, Inlet Valve	1
74		1 753 565 M1	Spring, Relief Inlet Valve	1
75		1 753 566 M1	Button, Relief Valve Spring	1
76		1 753 569 M91	Seat Assembly, Inlet	1
77	(A)	1 753 570 M1	Washer, Inlet Seat	1
78		1 753 567 M1	Retainer, Inlet Seat	1
79	(A)	1 753 568 M1	Washer, Retainer	1
80		1 753 574 M1	Shell, Vaporizer	1
81	(A)	1 753 573 M1	Washer, Shell Sealing	1
82		1 753 572 M1	Screw, Shell Retaining	1
83	(A)	831 586 M1	"O" Ring, Shell	1
84	(A)	1 506 223 M1	"O" Ring, Body	1
85		1 754 973 M1	Nipple, Line Connecting	1
		830 742 M92	Repair Kit, Vaporizer (Incl. all items marked "A")	1

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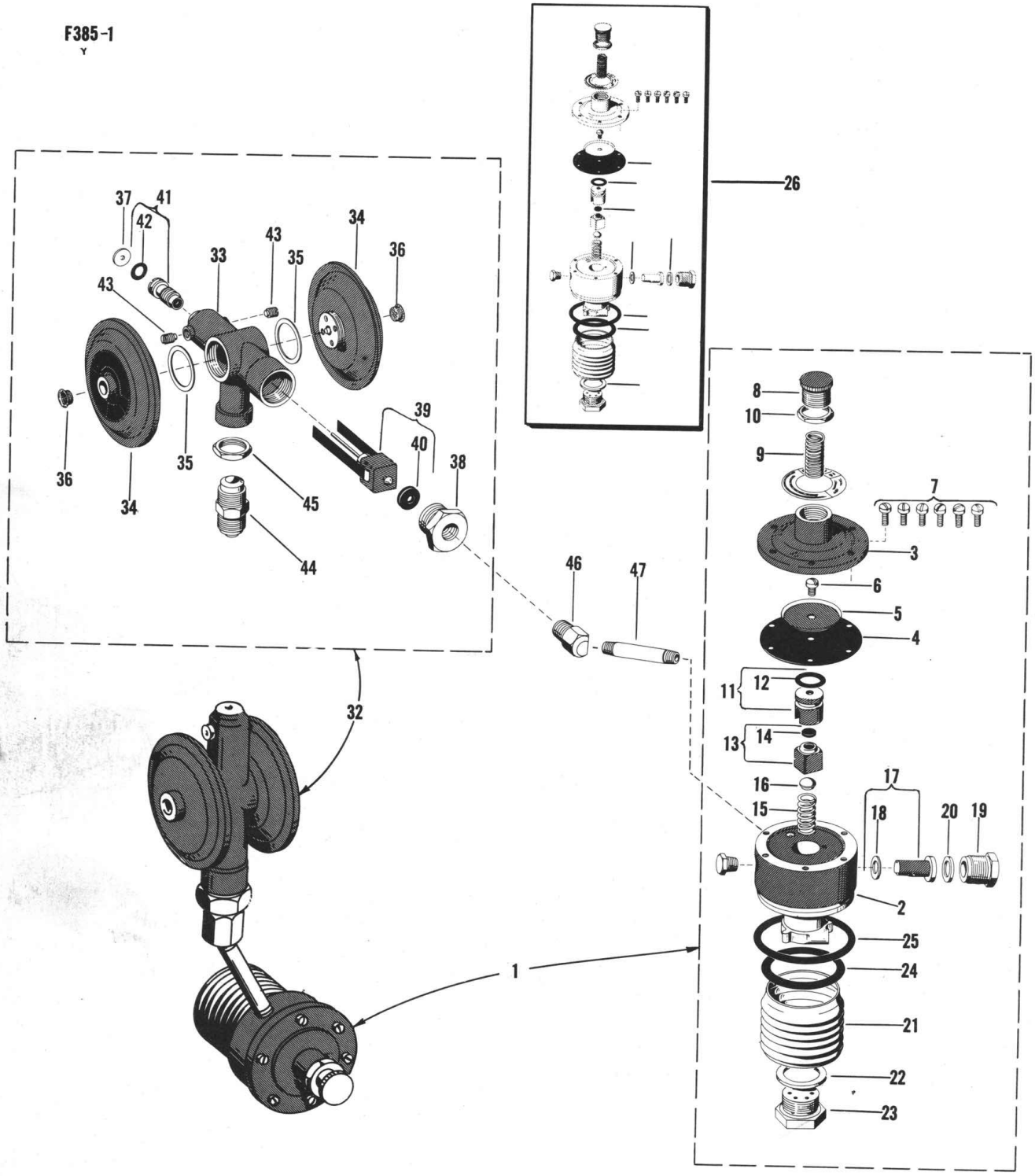
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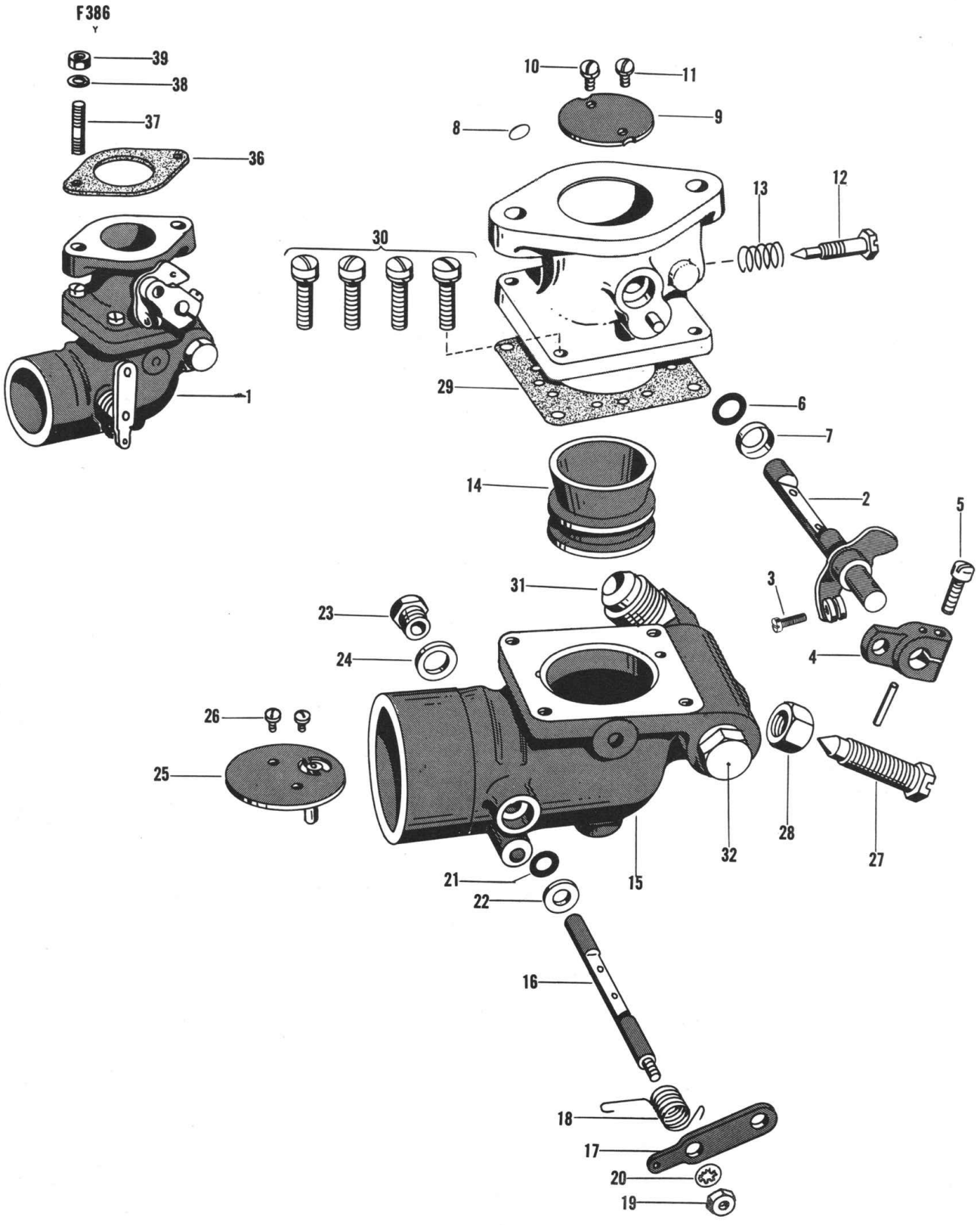
REGULATOR AND VAPORIZER

L.P.

(USED PRIOR TO TRACTOR SERIAL NUMBER 673300)

Ref. No.	Part No.	Description	No. Req.
1	184 480 M91	Vaporizer Assembly	1
2	1 753 571 M91	Body Assembly (Order 184 480 M91)	1
3	1 753 559 M91	Cover Assembly, Diaphragm	1
4	1 753 561 M1	Diaphragm	1
5	1 753 560 M1	Retainer, Diaphragm	1
6	358 995 X1	Screw, Diaphragm (#10 - 32 x 1/4" Fill. Hd.)	1
7	358 994 X1	Screw, Cover (#8 - 32 x 5/16" Fill. Hd.)	6
8	1 753 556 M1	Screw, Pressure Adjusting	1
9	1 753 558 M1	Spring, Pressure Adjusting Screw	1
10	1 753 557 M1	Nut, Lock, Adjusting Screw	1
11	1 753 562 M91	Piston Assembly, Vaporizer	1
12	831 585 M1	"O" Ring, Piston	1
13	1 753 563 M91	Valve Assembly, Inlet	1
14	1 753 564 M1	Seat, Inlet Valve	1
15	1 753 565 M1	Spring, Relief Inlet Valve	1
16	1 753 566 M1	Button, Relief Valve Spring	1
17	1 753 569 M91	Seat Assembly, Inlet	1
18	1 753 570 M1	Washer, Inlet Seat	1
19	1 753 567 M1	Retainer, Inlet Seat	1
20	1 753 568 M1	Washer, Retainer	1
21	1 753 574 M1	Shell, Vaporizer	1
22	1 753 573 M1	Washer, Shell Sealing	1
23	1 753 572 M1	Screw, Shell Retaining	1
24	831 586 M1	"O" Ring, Shell	1
25	1 506 223 M1	"O" Ring, Body	1
26	830 742 M92	Repair Kit, Vaporizer	1
32	185 206 M91	Regulator Assembly	1
33	1 753 576 M1	Body (Order 185 206 M91)	1
34	1 753 582 M91	Diaphragm Assembly, w/Cover	2
35	1 019 601 M1	Gasket, Regulator Body	2
36	1 754 139 M1	Screen, Diaphragm Vent	2
37	1 754 140 M1	Seal, Regulator Adjustment	1
38	1 753 577 M1	Orifice, Inlet	1
39	1 753 578 M91	Valve Assembly	1
40	1 753 579 M1	Seat, Valve	1
41	1 753 580 M91	Screw Assembly, Pressure Adjusting	1
42	363 704 X1	"O" Ring, Pressure Adjusting Screw	1
43	1 753 581 M91	Screw Assembly, Retaining	2
44	356 085 X1	Union, Regulator Outlet	1
45	1 753 586 M1	Nut, Union Outlet Lock	1
46	22 526 X	Elbow, Regulator (45° Street)	1
47	1 754 141 M2	Nipple, Regulator to Vaporizer (1/4" Pipe x 2-1/2")	1
	353 686 X1	Bolt, Vaporizer Attaching (5/16 x 1-7/8" NC, Hex.)	1
	15 533 X	Washer (5/16" Lock)	1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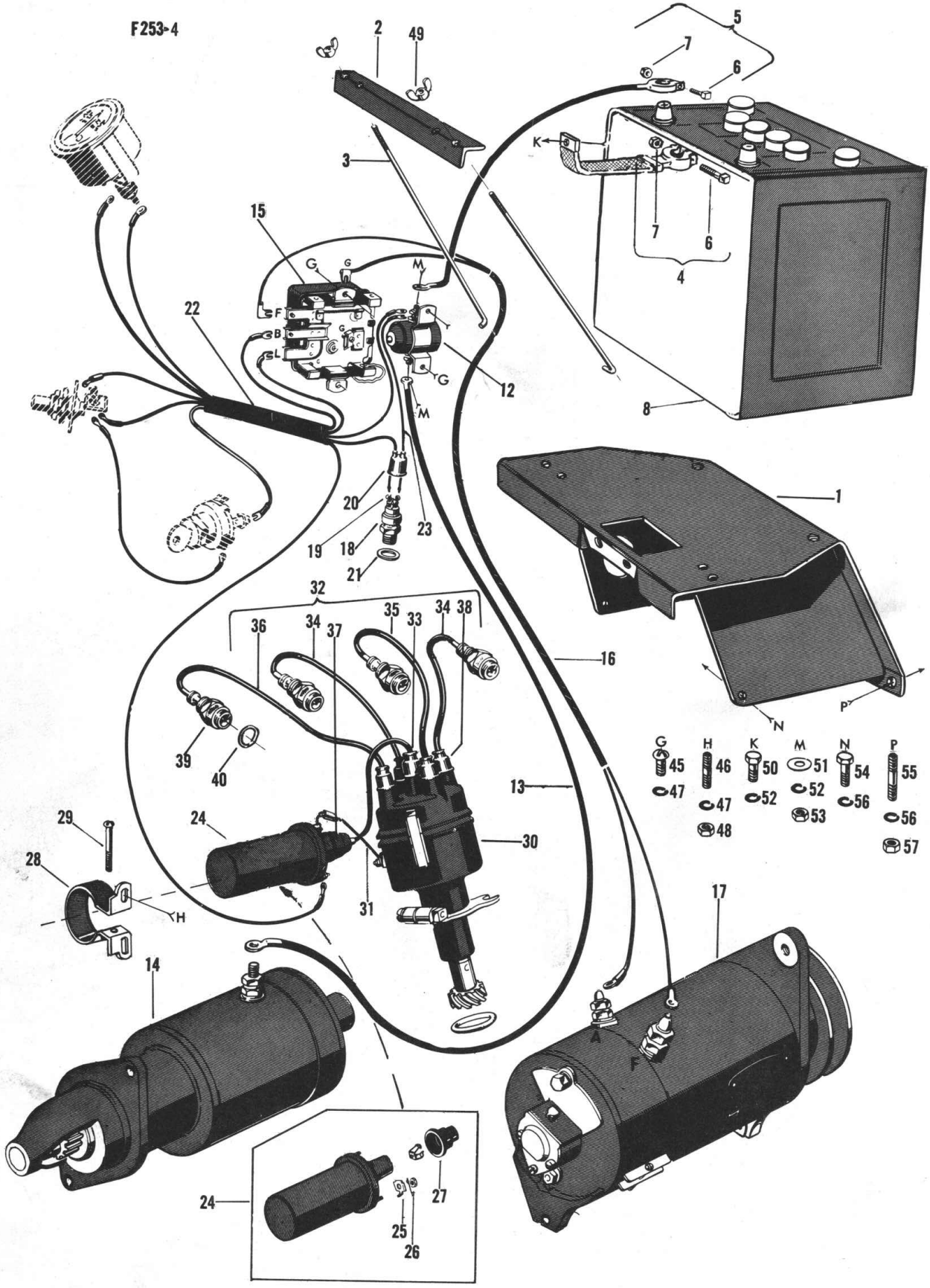
CARBURETER

L.P.

(USED PRIOR TO TRACTOR SERIAL NO. 673300)

Ref. No.	Part No.	Description	No. Req.
1	185 151 M91	Carbureter Assembly	1
2	1 754 129 M91	Shaft Assembly, Throttle Lever	1
3	1 753 546 M1	Screw, Throttle Lever Adjusting	1
4	1 754 130 M91	Clamp Assembly, Throttle Lever	1
5	17 826 A	Screw, Clamp	1
6	1 006 619 M1	Seal, Dust, Throttle Shaft	1
7	1 006 525 M1	Retainer, Dust Seal	1
8	17 708 A	Plug, Throttle Shaft Hole	1
9	18 119 A	Disc, Throttle	1
10	359 514 X1	Screw, Throttle Disc	2
11	22 092 X	Washer, Lock, Disc Screw	2
12	1 753 548 M1	Screw, Idle Adjusting	1
13	17 718 A	Spring, Idle Adjusting Screw	1
14	1 754 137 M1	Venturi	1
15	1 754 133 M91	Body Assembly, Air Intake	1
16	1 754 134 M1	Shaft, Choke	1
17	1 754 855 M1	Lever, Choke Shaft	1
18	1 753 553 M1	Spring, Choke Lever Return	1
19	17 688 A	Nut, Lever Retaining	1
20	16 371 X	Washer, Lock, Retaining Nut	1
21	1 753 955 M1	"O" Ring, Choke Shaft	1
22	17 818 A	Washer, "O" Ring Retainer	1
23	17 685 A	Plug, Choke Shaft Hole	1
24	17 686 A	Washer, Choke Shaft Hole Plug	1
25	1 018 186 M91	Disc Assembly, Choke	1
26	1 024 885 M91	Screw, Choke Disc	2
27	1 754 136 M1	Needle, Main Adjustment	1
28	359 515 X1	Nut, Lock, Main Adjusting Needle	1
29	1 754 131 M1	Gasket, Air Intake Body	1
30	1 754 132 M1	Screw Assembly, Intake Body	4
31	2 314 X	Elbow, Fuel Inlet	1
32	1 754 138 M1	Plug, Body	1
36	185 199 M2	Gasket, Carbureter to Manifold	1
37	831 647 M1	Stud (3/8" NC-NF x 1-3/16")	2
38	353 434 X1	Washer (3/8" Lock)	2
39	353 431 X1	Nut (3/8" NF, Hex.)	2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ELECTRICAL WIRING

GAS AND L.P.

(GAS UTILITY: USED PRIOR TO TRACTOR SERIAL NO. 703204)

Ref. No.	Part No.	Description	No. Req.
1	182 323 M93	Platform Assembly, Battery	1
2	182 532 M1	Clamp, Battery Hold Down	1
3	180 695 M1	Rod, Clamp Tension	2
4	185 499 M91	Strap Assembly, Battery Ground (Incl. Items #6 and #7)	1
5	186 827 M91	Cable Assembly, Battery to Solenoid	1
6	180 169 M1	Bolt (5/16 x 1-1/2" NC, Sq. Hd.)	1
7	180 296 M1	Nut (5/16" NC, Hex.)	1
8	832 706 M1	Battery (Gas)	1
8	833 039 M1	Battery (L.P.)	1
12	182 696 M91	Solenoid Assembly (Magnetic Switch)	1
13	182 620 M93	Cable Assembly, Solenoid to Starter	1
14		Starter Assembly (See Pages 57-61)	1
15	182 548 M92	Regulator Assembly, Voltage	1
16	186 234 M92	Harness Assembly, Wire, Voltage Regulator to Generator	1
17		Generator Assembly (See Pages 49-55)	1
18	181 140 M92	Switch Assembly, Neutral Safety	1
19	1 752 610 M2	Terminal, Safety Switch	2
20	180 776 M1	Boot, Neutral Safety Switch	1
21	181 142 M1	Washer, Neutral Safety Switch (25/32 x 1 x 1/32" Aluminum)	1
22	182 322 M93	Harness Assembly, Wire, Main	1
23	182 625 M91	Wire Assembly, Safety Switch to Solenoid	1
24	1 018 222 M91	Coil Assembly, Ignition (Order 1 028 569 M91)	1
25	1 750 501 M1	Clip, Terminal	2
26	358 990 X1	Nut, Terminal	2
27	181 543 M1	Nipple, Coil	1
28	1 750 500 M1	Bracket, Coil Mounting	1
29	1 022 315 M1	Screw, Bracket	1
30		Distributor Assembly (See Pages 45 and 47)	1
31 (A)	181 562 M1	Wire, Coil to Distributor (Low Tension)	1
32	830 841 M91	Wire Kit, Hi-Tension	1
33	185 904 M91	Wire Assembly, Coil to Distributor (Incl. Items #37 and #38)	1
34	181 603 M91	Wire Assembly, Distributor to #1 and #3 Spark Plugs (Incl. Item #38) (11-1/2" Long)	2
35	181 605 M91	Wire Assembly, Distributor to #2 Spark Plug (Incl. Item #38) (7-1/2" Long)	1
36	185 903 M91	Wire Assembly, Distributor to #4 Spark Plug (Incl. Item #38) (13" Long)	1
37	181 543 M1	Nipple, Ignition Coil	1
38	181 551 M1	Nipple, Distributor Cap	5
39	1 027 896 M91	Spark Plug (Normal for Gas) (Massey-Ferguson)	4
39	1 027 898 M91	Spark Plug (Hot for Gas) (Massey-Ferguson)	4
39	1 027 894 M91	Spark Plug (Cold for Gas, Normal for L.P.) (Massey-Ferguson)	4
39	184 245 M91	Spark Plug (Normal for Gas) (Champion)	4
39	181 563 M91	Spark Plug (Hot for Gas) (Champion)	4
39	185 547 M91	Spark Plug (Cold for Gas, Normal for L.P.) (Champion)	4
39	185 548 M91	Spark Plug (Cold for L.P.) (Champion)	4
39	1 004 753 M91	Spark Plug (Normal for Gas) (Auto-Lite)	4
39	184 271 M91	Spark Plug (Hot for Gas) (Auto-Lite)	4
39	1 004 857 M91	Spark Plug (Cold for Gas, Normal for L.P.) (Auto-Lite)	4
40	180 474 M1	Gasket, Spark Plug (Included with Spark Plugs)	1
45	353 987 X1	Screw (1/4 x 3/8" NC, Rd. Hd.)	x
46	1 958 X	Stud (1/4" NC x 7/8")	x
47	353 441 X1	Washer (1/4" Lock)	x
48	355 564 X1	Nut (1/4" NC, Hex.)	x
49	355 582 X1	Nut (1/4" NF, Wing)	x
50	353 515 X1	Bolt (5/16 x 1/2" NF, Hex.)	x
51	353 755 X1	Washer (5/16" Small Flat)	x
52	353 446 X1	Washer (5/16" Lock)	x
53	353 917 X1	Nut (5/16" NF, Half Hex.)	x
54	353 696 X1	Bolt (7/16 x 3/4" NC, Hex.)	x
55	1 754 353 M1	Stud (7/16" NC x 1-1/4")	x
56	353 432 X1	Washer (7/16" Lock)	x
57	355 645 X1	Nut (7/16" NC, Hex.)	x

Note: (A) - Used prior to Tractor Serial No. 702826.

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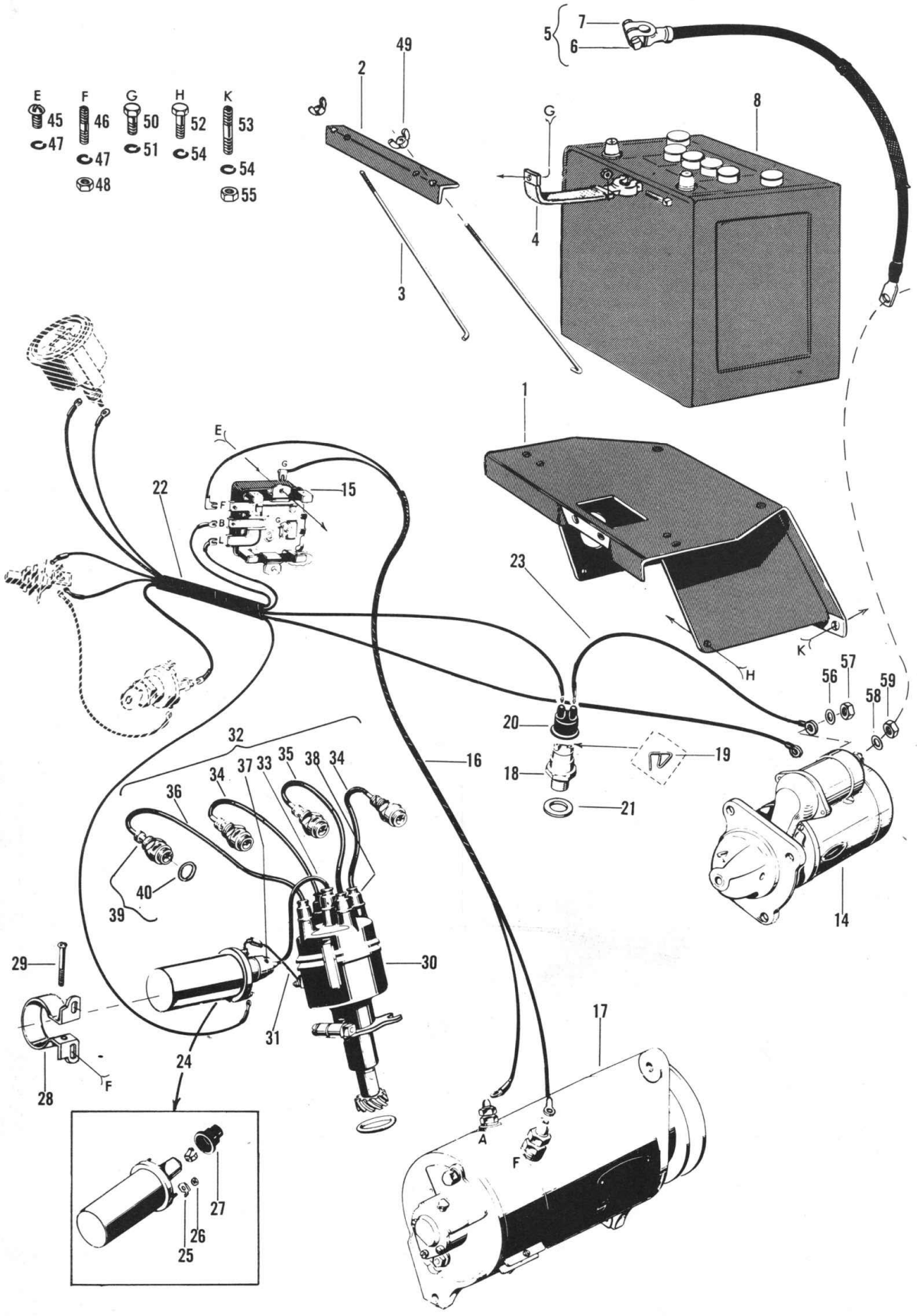
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GAS UTILITY

(USED TRACTOR SERIAL NO. 703204 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	182 323 M93	Platform Assembly, Battery	1
2	182 532 M1	Clamp, Battery Hold Down	1
3	180 695 M1	Rod, Clamp Retaining	2
4	185 499 M91	Strap Assembly, Battery Ground (Incl. Items #6 and #7)	1
5	193 946 M91	Cable Assembly, Battery to Solenoid	1
6	180 169 M1	Bolt (5/16 x 1-1/2" NC, Sq. Hd., Special)	1
7	180 296 M1	Nut (5/16" NC, Hex., Special)	1
8	832 706 M1	Battery (Dry)	1
14		Starter Assembly (See Pages 57-61)	1
15	182 548 M92	Regulator Assembly, Voltage	1
16	186 234 M92	Harness Assembly, Voltage Regulator to Generator	1
17		Generator Assembly (See Pages 49-55)	1
18	181 140 M92	Switch Assembly, Neutral Safety	1
19	1 752 610 M2	Terminal, Safety Switch	2
20	180 776 M1	Boot, Safety Switch	1
21	181 142 M1	Washer, Safety Switch (25/32 x 1 x 1/32" Aluminum)	1
22	193 985 M91	Harness Assembly, Wire, Main	1
23	186 764 M93	Wire Assembly, Safety Switch to Solenoid	1
24	1 018 222 M91	Coil Assembly, Ignition (Order 1 028 569 M91)	1
25	1 750 501 M1	Clip, Terminal	2
26	358 990 X1	Nut, Terminal	2
27	181 543 M1	Nipple, Coil	1
28	1 750 500 M1	Bracket, Coil Mounting	1
29	1 022 315 M1	Screw, Bracket	1
30		Distributor Assembly (See Pages 45 and 47)	1
31 (A)	181 562 M1	Wire, Coil to Distributor (Low Tension)	1
32	830 841 M91	Wire Kit, Hi-Tension	1
33	185 904 M91	Wire Assembly, Coil to Distributor (Incl. Items 37 and 38)	1
34	181 603 M91	Wire Assembly, Distributor to #1 and #3 Spark Plugs (Incl. Item #38) (11-1/2" Long)	2
35	181 605 M91	Wire Assembly, Distributor to #2 Spark Plug (Incl. Item #38) (7-1/2" Long)	1
36	185 903 M91	Wire Assembly, Distributor to #4 Spark Plug (Incl. Item #38) (13" Long)	1
37	181 543 M1	Nipple, Ignition Coil	1
38	181 551 M1	Nipple, Distributor Cap	5
39	1 027 896 M91	Spark Plug (Normal for Gas) (Massey-Ferguson)	4
39	1 027 898 M91	Spark Plug (Hot for Gas) (Massey-Ferguson)	4
39	1 027 894 M91	Spark Plug (Cold for Gas, Normal for L.P.) (Massey-Ferguson)	4
39	184 245 M91	Spark Plug (Normal for Gas) (Champion)	4
39	181 563 M91	Spark Plug (Hot for Gas) (Champion)	4
39	185 547 M91	Spark Plug (Cold for Gas, Normal for L.P.) (Champion)	4
39	185 548 M91	Spark Plug (Cold for L.P.) (Champion)	4
39	1 004 753 M91	Spark Plug (Normal for Gas) (Auto-Lite)	4
39	184 271 M91	Spark Plug (Hot for Gas) (Auto-Lite)	4
39	1 004 857 M91	Spark Plug (Cold for Gas, Normal for L.P.) (Auto-Lite)	4
40	180 474 M1	Gasket, Spark Plug (Included with Spark Plug)	1
45	353 987 X1	Screw (1/4 x 3/8" NC, Rd. Hd.)	x
46	1 958 X	Stud (1/4" NC x 7/8")	x
47	353 441 X1	Washer (1/4" Lock)	x
48	355 564 X1	Nut (1/4" NC, Hex.)	x
49	355 582 X1	Nut (1/4" NF, Wing)	x
50	353 515 X1	Bolt (5/16 x 1/2" NF, Hex.)	x
51	353 446 X1	Washer (5/16" Lock)	x
52	353 696 X1	Bolt (7/16 x 3/4" NC, Hex.)	x
53	1 754 353 M1	Stud (7/16" NC x 1-1/4")	x
54	353 432 X1	Washer (7/16" Lock)	x
55	355 645 X1	Nut (7/16" NC, Hex.)	x
56	22 710 X	Washer, Solenoid Wire	x
57	354 119 X1	Nut, Solenoid Wire	x
58	22 764 X	Washer, Battery Cable Wire	x
59	354 123 X1	Nut, Battery Cable Wire	x

Note: (A) - Used prior to Tractor Serial No. 702826.

DISTRIBUTOR

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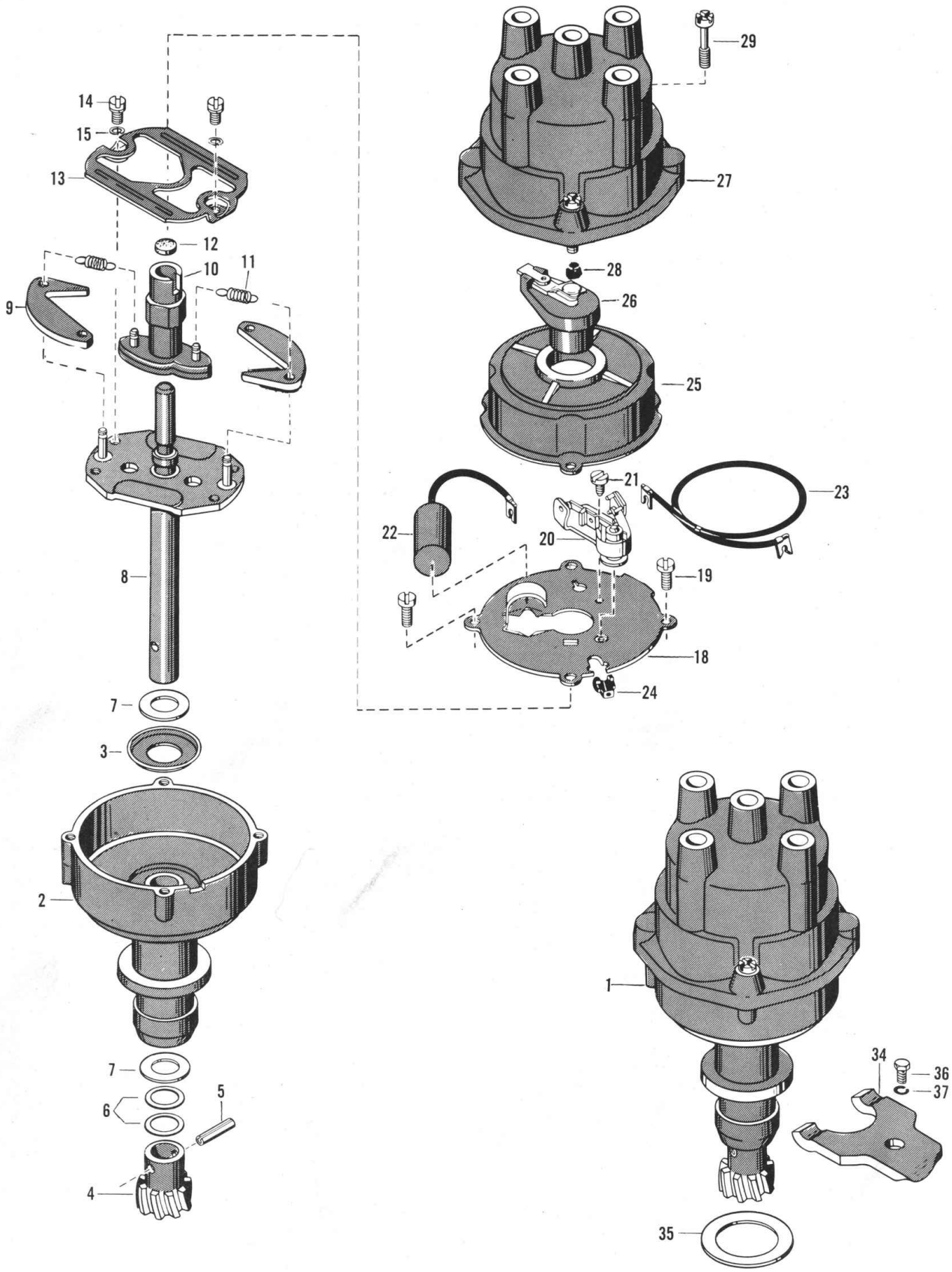


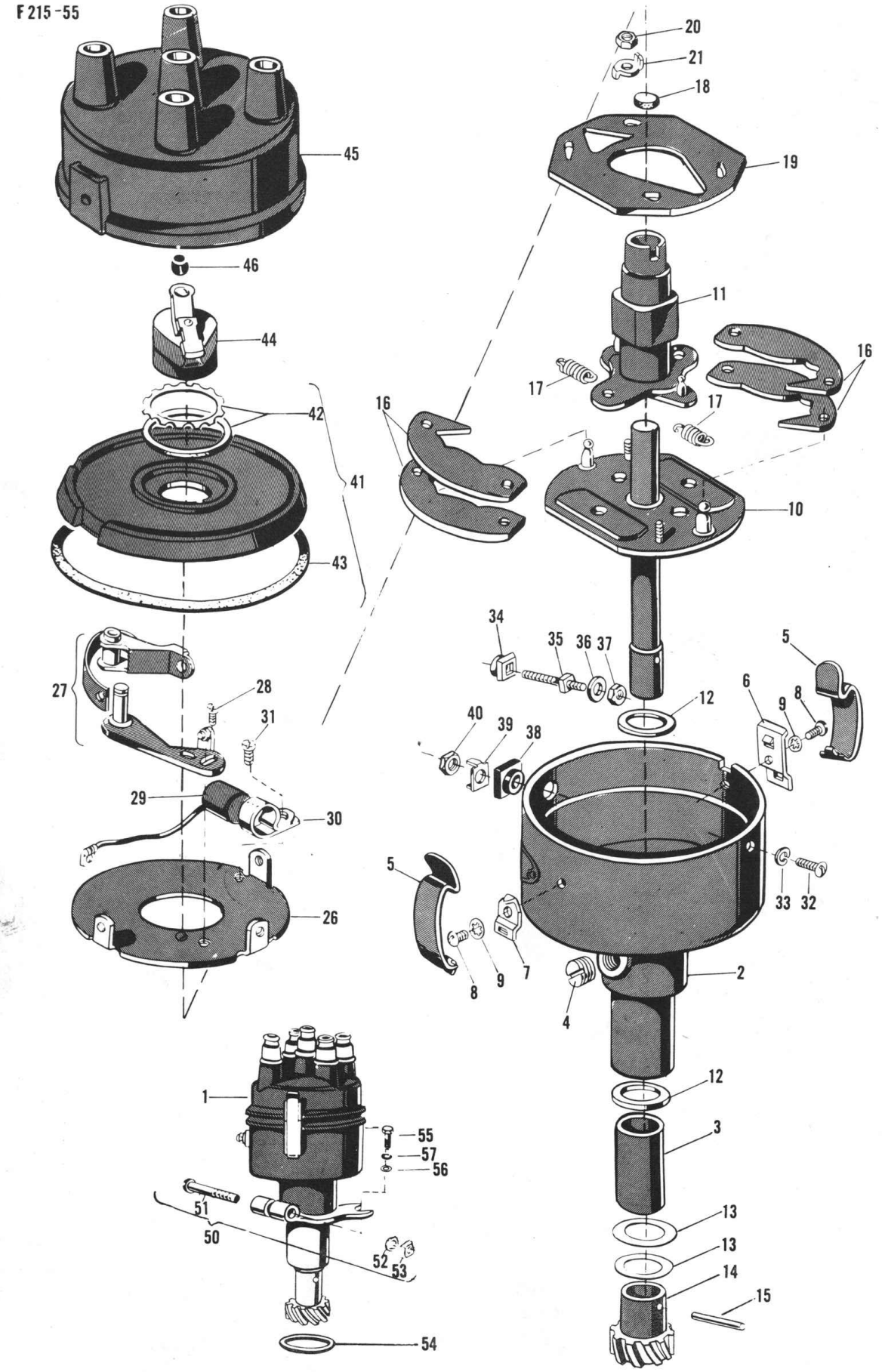
DISTRIBUTOR

GAS AND L.P.

(USED TRACTOR SERIAL NO. 702826 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	194 059 M91	Distributor Assembly (Delco-Remy #1112-644)	1
2	1 024 912 M91	Housing Assembly	1
3	1 030 585 M1	Seal, Housing	1
4	1 025 007 M1	Gear, Drive (10 Helical Teeth)	1
5	1 025 032 M1	Pin, Drive Gear Retaining (3/16 x 11/16" Roll)	1
6	1 750 406 M1	Shim, Drive Gear (.005")	x
6	1 025 008 M1	Shim, Drive Gear (.010")	x
7	1 750 412 M1	Washer, Housing (1/2 x 7/8 x 1/32")	2
8	1 024 918 M91	Shaft Assembly, Main and Weight Plate	1
9	1 750 462 M1	Weight (Approx. 9/16" at Pivot Hole End)	2
10	1 024 920 M1	Cam, Breaker	1
11	1 025 000 M1	Spring, Weight (23/32" Free Length)	2
12	1 024 922 M1	Wick, Cam Oiler	1
13	1 025 002 M1	Plate, Weight Hold Down	1
14	357 431 X1	Screw, Hold Down Plate (#8 - 32 x 1/4" Fill. Hd.)	2
15	353 444 X1	Washer (#8 Lock)	2
18	1 024 921 M1	Plate, Breaker	1
19	353 976 X1	Screw, Breaker Plate Retaining (#8 - 32 x 3/8" Rd. Hd.)	2
20		Point Set (Order 839 008 M91)	1
21	1 022 319 M1	Screw, Point Adjusting	1
22		Condenser Assembly (Order 839 008 M91)	1
23	1 025 004 M91	Wire Assembly, Lo-Tension	1
24	1 025 005 M1	Grommet, Lo-Tension Wire	1
25	1 024 915 M91	Cover Assembly, Breaker Plate	1
26	1 024 916 M1	Rotor, Hi-Tension Contact	1
27	1 024 914 M91	Cap Assembly	1
28	1 753 958 M1	Brush, Center Contact (Carbon)	1
29	1 025 028 M1	Screw, Cap (#8 - 32 Pan Hd., Sltd.) (Zinc Plated)	1
29	1 025 029 M1	Screw, Cap (#10 - 32 Pan Hd., Sltd.) (Copper Plated)	1
34	194 060 M1	Clamp, Distributor	1
35	194 061 M1	Seal, Distributor	1
36	353 679 X1	Bolt, Distributor Clamp (5/16 x 1" NC, Hex.)	1
37	353 446 X1	Washer (5/16" Lock)	1
	839 008 M91	Point and Condenser Set	1

DISTRIBUTOR



DISTRIBUTOR

GAS AND L.P.

(USED PRIOR TO TRACTOR SERIAL NO. 702826)

Ref. No.	Part No.	Description	No. Req. Gas	No. Req. L.P.
1	184 318 M91	Distributor Assembly (Delco-Remy #1112-583)	1	-
1	185 108 M91	Distributor Assembly (Delco-Remy #1112-589)	-	1
2	1 750 874 M91	Housing Assembly, Distributor	1	-
2	1 754 218 M91	Housing Assembly, Distributor (Order 1 028 468 M91)	-	1
3	1 750 499 M1	Bushing, Housing	1	1
4	195 591 M1	Plug, Housing	1	-
4	1 754 219 M1	Plug, Housing	-	1
5	1 750 489 M1	Spring, Cap Locking	2	2
6	1 750 490 M1	Support, Spring and Cap Locating	1	1
7	1 750 436 M1	Support, Spring	1	1
8	353 976 X1	Screw (#8 - 32 x 3/8" Rd. Hd.)	2	2
9	353 444 X1	Washer (#8 Lock)	2	2
10	1 753 961 M91	Shaft Assembly, Weight Plate	1	-
10	1 754 221 M91	Shaft Assembly, Weight Plate	-	1
11	1 750 524 M1	Cam, Breaker	1	-
11	1 754 223 M1	Cam, Breaker	-	1
12	1 750 412 M1	Washer, Thrust	2	2
13	1 750 406 M1	Shim (.005")	x	x
13	1 025 008 M1	Shim (.010")	x	x
14	1 753 742 M1	Gear, Drive	1	1
15	1 750 492 M1	Pin, Drive Gear	1	1
16	1 750 462 M1	Weight, Distributor Advance	4	-
16	1 754 224 M1	Weight, Distributor Advance	-	4
17	1 753 959 M1	Spring, Weight	2	-
17	1 754 226 M1	Spring, Weight	-	2
18	1 024 922 M1	Wick, Cam Oiler	1	1
19	1 750 482 M1	Plate, Weight and Cam Retainer	1	1
20	358 990 X1	Nut, Retaining Plate Lock	2	2
21	1 750 483 M1	Washer, Special Lock	2	2
26	1 750 437 M1	Plate, Breaker	1	1
27		Point Set, Breaker (Order 839 012 M91)	1	1
28	1 022 319 M1	Screw, Breaker Point Lock	1	1
29		Condenser (Order 839 012 M91)	1	1
30	1 017 341 M1	Bracket, Condenser Mounting	1	1
31	363 580 X1	Screw, Condenser Attaching	1	1
32	22 432 X	Screw, Breaker Plate Attaching	1	1
33	353 434 X1	Washer, Lock	1	1
34	1 750 519 M1	Bushing, Terminal Stud (Inside)	1	1
35	1 750 520 M1	Stud, Terminal	1	1
36	353 444 X1	Washer, Terminal Stud	1	1
37	354 119 X1	Nut, Terminal Stud, Inside	1	1
38	1 750 513 M1	Bushing, Terminal Stud (Outside)	1	1
39	1 750 514 M1	Clip, Terminal Stud	1	1
40	354 119 X1	Nut, Terminal Stud, Outside	1	1
41	1 750 491 M91	Cover Assembly, Housing	1	1
42	1 750 515 M1	Seal, Dust (Felt)	1	1
43	1 750 488 M1	Gasket, Cover	1	1
44	1 750 875 M1	Rotor	1	1
45	1 750 411 M91	Cap Assembly, Distributor	1	1
46	1 753 958 M1	Brush, Center Contact (Carbon)	1	1
50	182 912 M91	Clamp Assembly, Distributor	1	1
51	1 751 916 M1	Bolt, Clamp (1/4 x 1-7/8" NC, Sltd. Hd.)	1	1
52	353 441 X1	Washer (1/4" Lock)	1	1
53	1 751 913 M1	Nut (1/4" NC, Special)	1	1
54	760 001 M2	"O" Ring, Distributor	1	1
55	353 666 X1	Bolt (1/4 x 5/8" NC, Hex.)	1	1
56	353 754 X1	Washer (1/4" Small Flat)	1	1
57	353 441 X1	Washer (1/4" Lock)	1	1
	839 012 M91	Point and Condenser Set	1	1

GENERATOR

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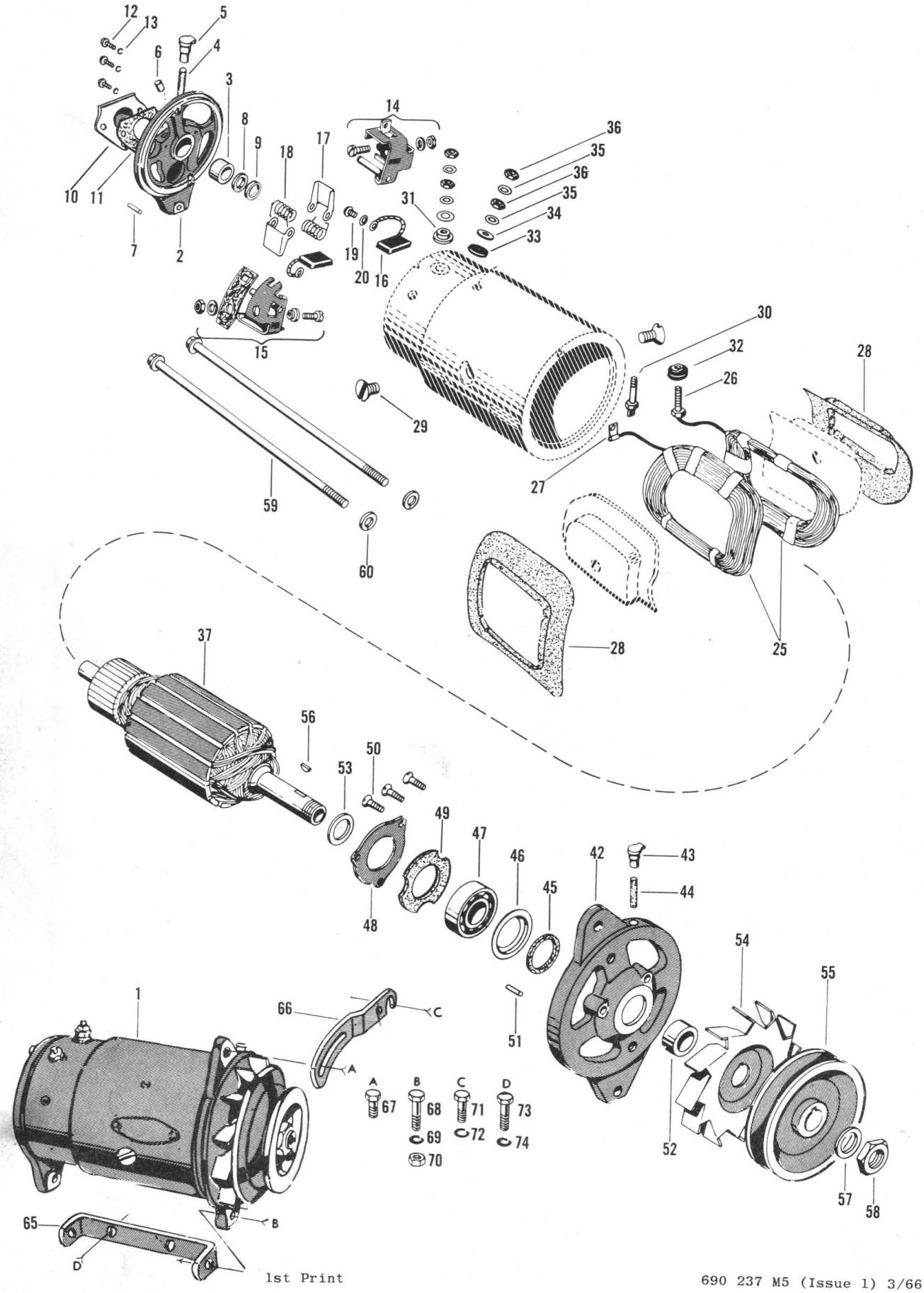

GENERATOR

GAS AND L.P.

(USED TRACTOR SERIAL NOS. (GAS) 694649, (L.P.) 694699 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	193 516 M91	Generator Assembly (Delco-Remy #1100-435) (Order 509 057 M91, See Page 55)	1
2	1 754 547 M91	Head Assembly, Commutator End	1
3	1 009 710 M1	Bushing (9/16 x 25/32 x 11/16")	1
4	1 022 604 M1	Wick, Oil	1
5	1 009 711 M1	Oiler, Reservoir	1
6	1 750 870 M1	Plug, Oil Wick Hole	1
7	1 750 394 M1	Pin, Head Locating (1/8 x 3/8")	1
8	1 754 548 M1	Washer, Felt	1
9	1 754 549 M1	Retainer, Felt Washer	1
10	1 750 431 M1	Cover, End Bearing	1
11	1 750 423 M1	Gasket, End Bearing Cover	1
12	363 576 X1	Screw, Cover Retaining (#8 x 7/16" NC, Rd. Hd.)	3
13	353 444 X1	Washer (#8 Lock)	3
14	1 028 574 M1	Holder Assembly, Brush (Grounded)	1
15	1 028 575 M1	Holder Assembly, Brush (Insulated)	1
16	1 754 877 M91	Brush Assembly	2
17	1 028 573 M1	Arm, Brush	2
18	1 009 707 M1	Spring, Brush Pressure	2
19	353 567 X1	Screw, Brush Lead Attaching (#6 x 1/4" NC, Rd. Hd.)	2
20	195 441 M1	Washer (#6 Lock)	2
25	1 009 702 M91	Coil Assembly, Field	1
26	1 023 759 M1	Stud, Field Terminal	1
27	1 031 109 M1	Clip, Armature Terminal	1
28	1 750 516 M1	Insulation, Field	2
29	363 710 X1	Screw, Pole Shoes Retaining	2
30	1 028 572 M1	Stud, Armature Terminal	1
31	1 009 701 M1	Bushing, Insulating, Armature Stud (w/Smooth Surface)	1
32	1 750 442 M1	Bushing, Insulating, Field Stud (w/Recess Machine Hd. Surface)	1
33	1 750 443 M1	Washer, Insulating, Field Stud (1/4 x 21/32 x 3/32")	1
34	1 750 465 M1	Washer, Terminal Studs (1/4 x 9/16 x 1/32")	2
35	375 142 X1	Washer, Terminal Studs (#12 Lock)	4
36	357 516 X1	Nut, Terminal Studs (#12 NC, Hex.)	4
37	1 022 601 M91	Armature Assembly	1
42	1 028 729 M91	Head Assembly, Drive End	1
43	1 009 711 M1	Oiler, Reservoir	1
44	1 009 721 M1	Wick, Oil	1
45	1 500 195 M1	Washer, Drive End Bearing (Felt)	1
46	1 750 429 M1	Retainer, Felt Washer	1
47	354 354 X1	Bearing, Ball, Drive End	1
48	1 750 504 M1	Retainer, Ball Bearing	1
49	1 750 505 M1	Gasket, Bearing Retainer	1
50	1 022 316 M1	Screw, Bearing Retainer (#10 x 7/16" NF, Special)	3
51	1 750 396 M1	Pin, Head Locating (3/16 x 5/16")	1
52	1 009 722 M1	Spacer, Pulley and Fan	1
53	1 750 404 M1	Washer, Spacer	1
54	1 009 727 M1	Fan, Ventilating	1
55	1 754 878 M1	Pulley	1
56	355 465 X1	Key, Pulley (1/8 x 5/8" Woodruff)	1
57	1 754 245 M1	Washer, Pulley	1
58	1 006 935 M1	Nut, Pulley Retaining	1
59	1 750 417 M1	Bolt, Generator Thru	2
60	19 752 X	Washer, Thru Bolt	2
65	187 210 M1	Bracket, Generator Mounting	1
66	185 986 M1	Strap, Generator Adjusting	1
67	181 540 M1	Bolt (5/16 x 5/8" NC, Hex.)	x
68	353 520 X1	Bolt (5/16 x 1-1/8" NF, Hex.)	x
69	353 446 X1	Washer (5/16" Lock)	x
70	353 916 X1	Nut (5/16" NF, Hex.)	x
71	353 689 X1	Bolt (3/8 x 3/4" NC, Hex.)	x
72	353 434 X1	Washer (3/8" Lock)	x
73	353 698 X1	Bolt (7/16 x 1" NC, Hex.)	x
74	353 432 X1	Washer (7/16" Lock)	x

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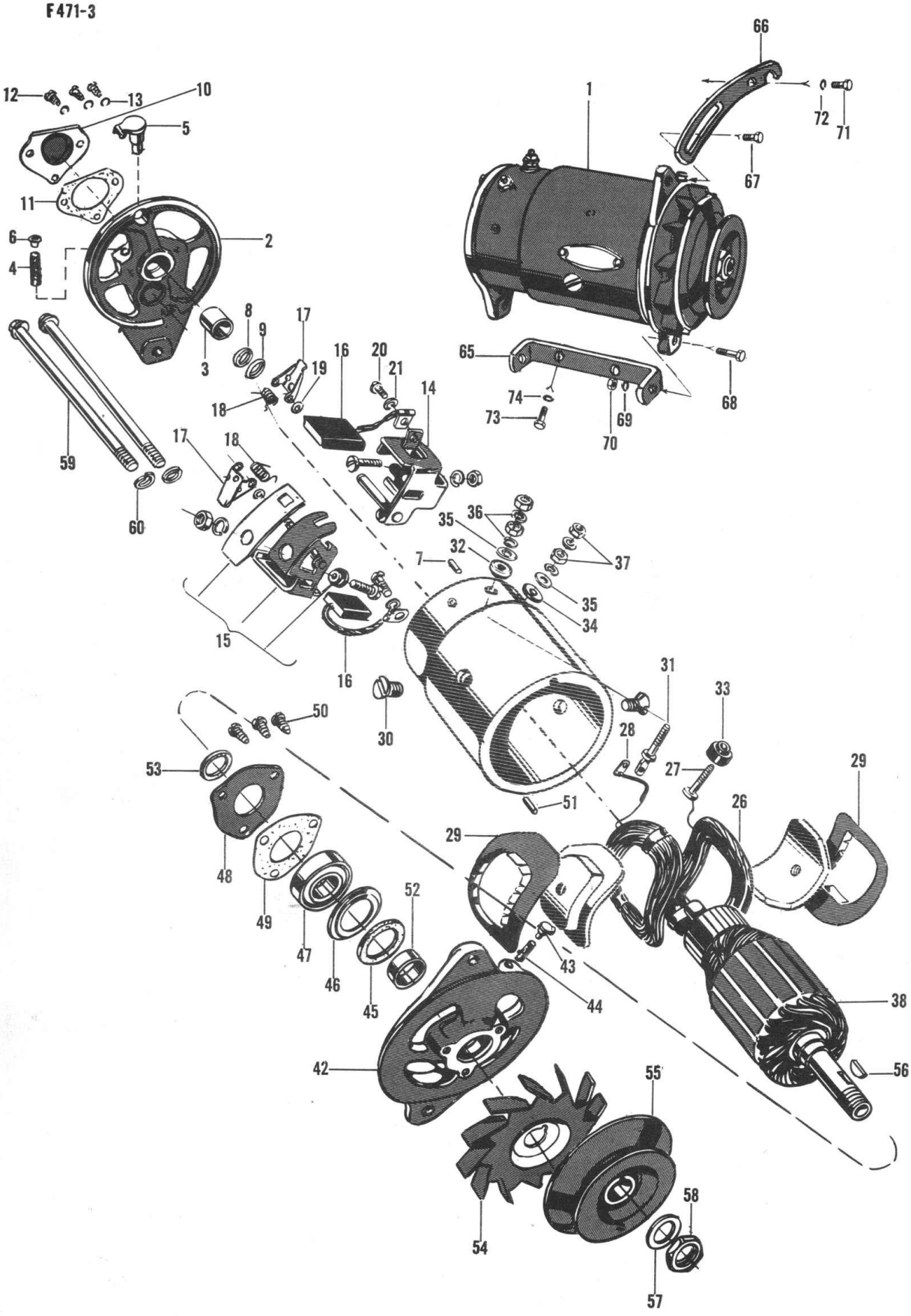
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GENERATOR

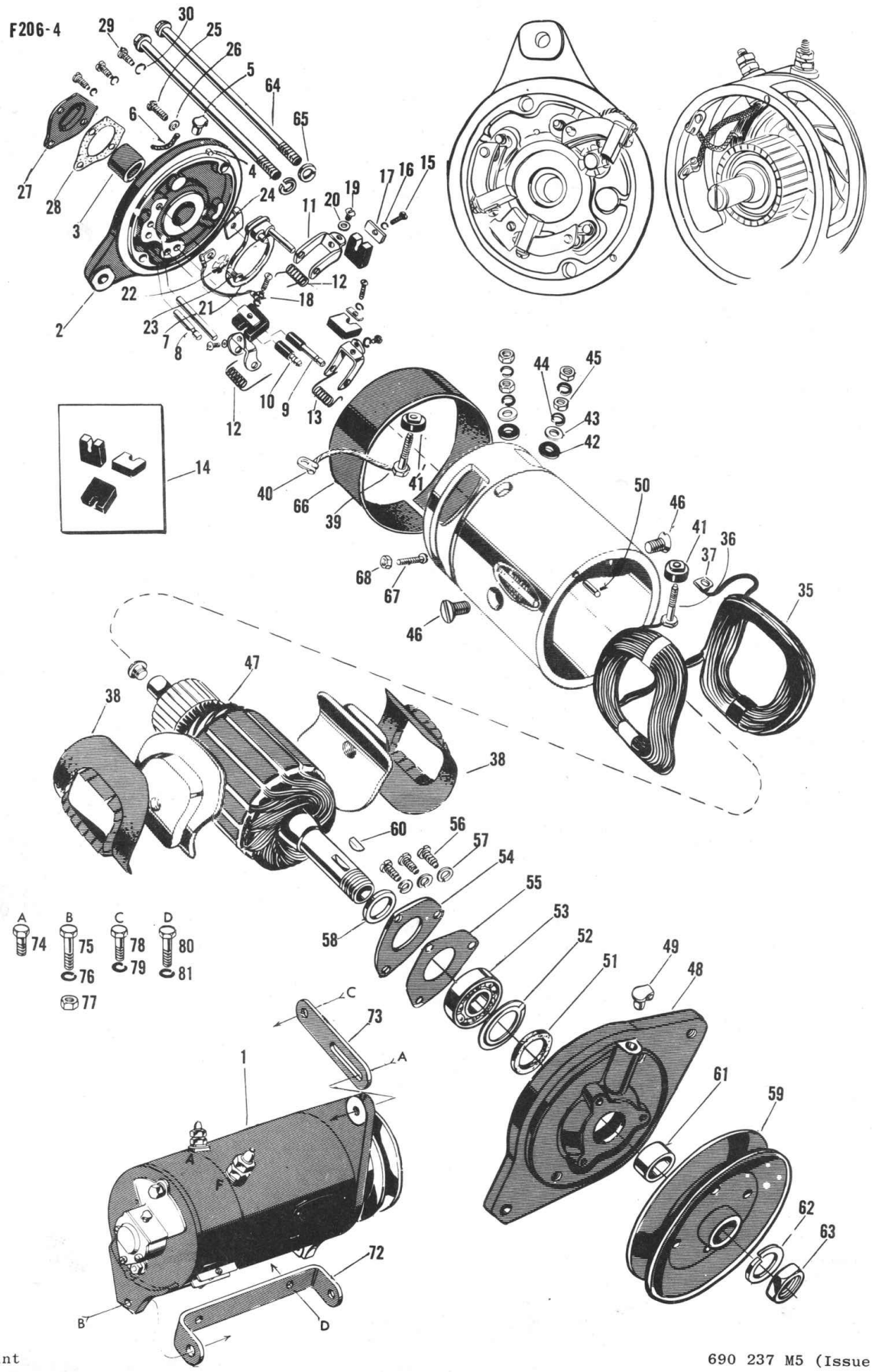
(VENTILATED TYPE)

(GAS AND L.P.)

(SEE NOTE A)

Ref. No.	Part No.	Description	No. Req.
1 (A)	185 983 M91	Generator Assembly (Delco-Remy #1100-362) (Order 509 057 M91, See Page 55)	1
2	1 754 547 M91	Head Assembly, Commutator End	1
3	1 009 710 M1	Bushing (9/16 x 25/32 x 11/16")	1
4	1 022 604 M1	Wick, Oiler	1
5	1 009 711 M1	Oiler, Head	1
6	1 750 810 M1	Plug, Oil Wick	1
7	1 750 394 M1	Dowel, Head Locating (1/8 x 3/8")	1
8	1 754 548 M1	Felt, Commutator End	1
9	1 754 549 M1	Cup, Felt Retainer	1
10	1 750 431 M1	Cover, Commutator End	1
11	1 750 423 M1	Gasket, End Cover	2
12	363 576 X1	Screw, Cover (#8 x 7/16" NC, Special)	3
13	353 444 X1	Washer (#8 Lock)	3
14	1 028 574 M91	Holder Assembly, Brush (Grounded)	1
15	1 028 575 M91	Holder Assembly, Brush (Insulated)	1
16	1 754 877 M91	Brush Assembly	2
17	1 028 573 M1	Arm, Brush	2
18	1 009 707 M1	Spring, Brush	2
19	1 009 708 M1	Washer, Arm Spacer (3/16 x 23/64 x 1/32")	2
20	22 591 X	Screw, Brush Lead (#6 x 1/4" NC, Rd. Hd.)	2
21	195 441 M1	Washer (#6 Lock)	2
26	1 009 702 M91	Coil Assembly, Field	1
27	1 023 759 M1	Stud, Field Terminal	1
28	1 031 109 M1	Clip, Terminal Stud	1
29	1 750 516 M1	Insulation, Field Coil	2
30	363 710 X1	Screw, Pole Shoes	2
31	1 028 572 M1	Stud, Armature Terminal	1
32	1 009 701 M1	Bushing, Insulating, Armature Stud	1
33	1 750 442 M1	Bushing, Insulating, Field Stud	1
34	1 750 443 M1	Washer, Insulating, Field Stud	1
35	1 750 465 M1	Washer, Terminal Stud (Flat)	2
36	375 142 X1	Washer, Terminal Stud (Lock)	4
37	357 516 X1	Nut, Terminal Stud	4
38	1 751 878 M91	Armature Assembly	1
42	1 028 729 M91	Head Assembly, Drive End	1
43	1 009 711 M1	Oiler, Head	1
44	1 009 721 M1	Wick, Oiler	1
45	1 500 195 M1	Washer, Drive End, Inner (Felt)	1
46	1 750 429 M1	Retainer, Felt Washer	1
47	354 354 X1	Bearing, Ball	1
48	1 750 504 M1	Retainer, Ball Bearing	1
49	1 750 505 M1	Gasket, Retainer	1
50	1 022 316 M1	Screw, Retainer (#10 x 7/16" NC, Special)	3
51	1 750 396 M1	Pin, Head Locating (3/16 x 5/16")	1
52	1 009 722 M1	Spacer, Pulley and Fan	1
53	1 750 404 M1	Washer, Spacer	1
54	1 009 727 M1	Fan, Ventilating	1
55	1 754 878 M1	Pulley, Generator	1
56	355 465 X1	Key, Pulley	1
57	1 754 245 M1	Washer, Pulley (Lock)	1
58	1 006 935 M1	Nut, Pulley	1
59	1 750 417 M1	Bolt, Generator Thru	2
60	19 752 X	Washer, Thru Bolt (Lock)	2
65	187 210 M1	Bracket, Generator Mounting	1
66	185 986 M1	Strap, Generator Adjusting	1
67	181 540 M1	Bolt (5/16 x 5/8" NC, Hex.)	x
68	353 520 X1	Bolt (5/16 x 1-1/8" NF, Hex.)	x
69	353 446 X	Washer (5/16" Lock)	x
70	353 916 X1	Nut (5/16" NF, Hex.)	x
71	353 689 X1	Bolt (3/8 x 3/4" NC, Hex.)	x
72	353 434 X1	Washer (3/8" Lock)	x
73	353 698 X1	Bolt (7/16 x 1" NC, Hex.)	x
74	353 432 X1	Washer (7/16" Lock)	x

Note: (A) - Used Tractor Serial Nos. 663016 thru (Gas) 694648 and (L.P.) 694698; also used Tractor Serial Nos. 662839 thru 662903.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GENERATOR

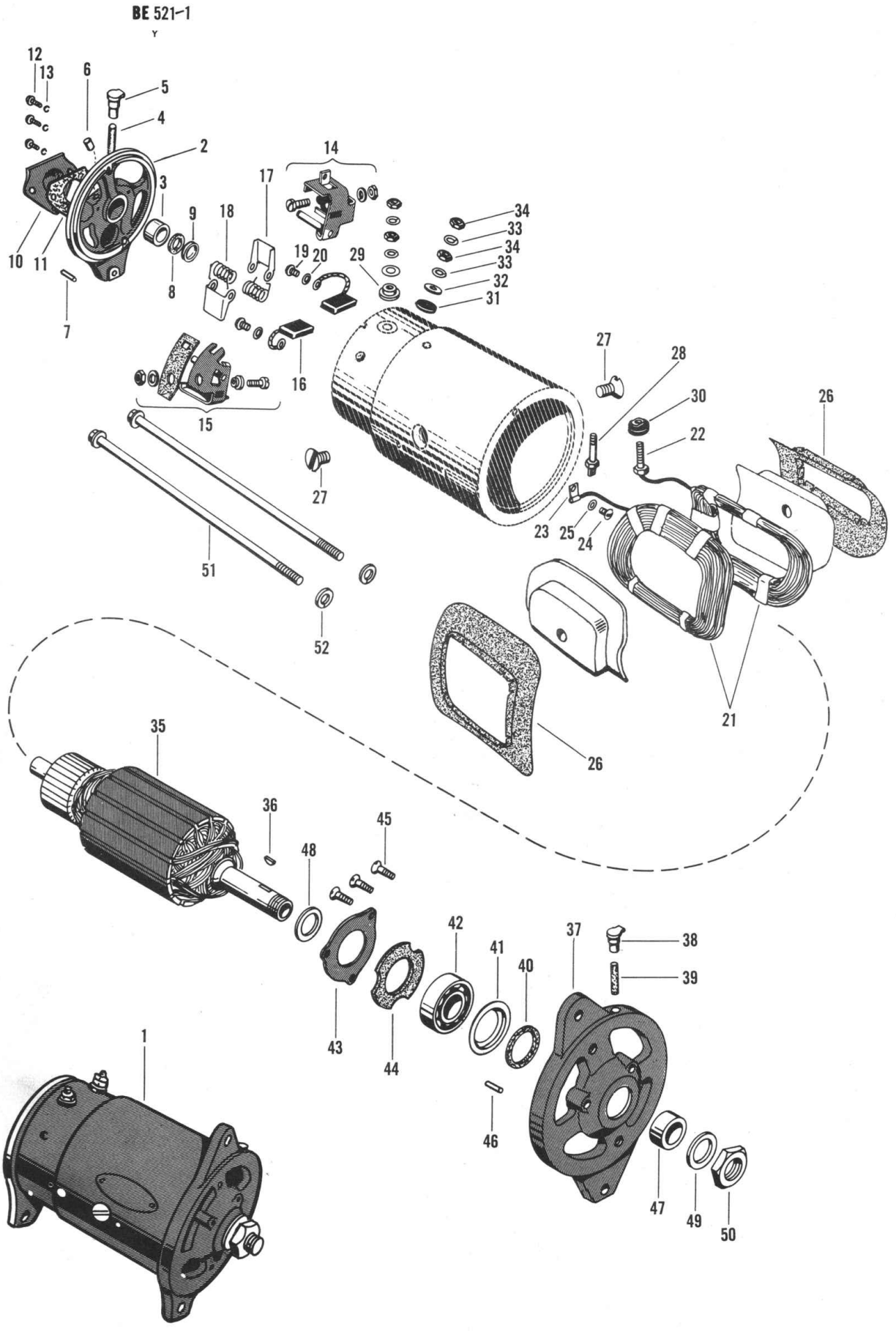
(SOLID TYPE)

(GAS AND L.P.)

(SEE NOTE A)

Ref. No.	Part No.	Description	No. Req.
1 (A)	182 455 M91	Generator Assembly (Delco-Remy #1100-998)	1
2	1 750 422 M91	Head Assembly, Commutator End	1
3	1 750 415 M1	Bushing	1
4	1 750 394 M1	Pin, Head Locating	1
5	1 750 460 M1	Oiler	1
6	1 022 604 M1	Wick, Oil	1
7	1 750 425 M1	Pin, Brush Hinge (Grounded)	1
8	1 750 426 M1	Pin, Brush Stop (Grounded)	1
9	1 750 414 M1	Pin, Brush Hinge (Insulated)	1
10	1 750 413 M1	Pin, Brush Stop (Insulated)	1
11	1 750 398 M1	Holder, Brush	3
12	1 750 399 M1	Spring, Brush Tension (3rd and Ground)	2
13	1 750 400 M1	Spring, Brush (Main)	1
14	1 754 247 M1	Brush	3
15	363 575 X1	Screw, Brush Attaching	3
16	195 441 M1	Washer, Lock	3
17	1 750 395 M1	Washer, Flat	3
18	1 750 401 M1	Lead, Brush Ground	1
19	363 585 X1	Screw, Lead Attaching	2
20	195 441 M1	Washer, Lock	2
21	1 750 402 M1	Plate, 3rd Brush	1
22	1 750 403 M1	Spring, Washer	1
23	1 750 397 M1	Screw, Spring Washer	1
24	1 750 428 M1	Clamp, Brush Plate	1
25	363 577 X1	Screw, Clamp	1
26	353 445 X1	Washer, Lock	1
27	1 750 431 M1	Plate, Cover, Head	1
28	1 750 423 M1	Gasket, Cover Plate	1
29	353 576 X1	Screw, Cover Plate	3
30	353 444 X1	Washer, Lock	3
35	1 751 879 M91	Coil Assembly, Field	1
36	1 750 869 M1	Stud, Field Terminal	1
37	1 751 478 M1	Clip, Terminal	1
38	1 750 516 M1	Insulation, Coil	2
39	1 750 444 M91	Stud Assembly, Armature Terminal	1
40	1 751 478 M1	Clip, Stud	1
41	1 750 442 M1	Bushing, Stud Insulating	2
42	1 750 443 M1	Washer, Stud Insulating	2
43	1 750 465 M1	Washer, Stud	2
44	375 142 X1	Washer, Lock	2
45	357 516 X1	Nut, Terminal	2
46	363 710 X1	Screw, Pole Shoes	2
47	1 751 878 M91	Armature Assembly	1
48	1 750 441 M91	Head Assembly, Drive End	1
49	1 750 460 M1	Oiler, Head	1
50	1 750 396 M1	Pin, Head Locating	1
51	1 500 195 M1	Washer, Felt	1
52	1 750 429 M1	Retainer, Felt Washer	1
53	15 363 X	Bearing, Ball	1
54	1 750 504 M1	Plate, Bearing Retainer	1
55	1 750 505 M1	Gasket, Retainer Plate	1
56	1 022 316 M1	Screw, Plate to Head	3
57	353 445 X1	Washer, Lock	3
58	1 750 404 M1	Washer, Armature Thrust	1
59	1 754 878 M1	Pulley, Drive	1
60	355 465 X1	Key, Pulley	1
61	1 750 424 M1	Spacer, Pulley	1
62	1 754 245 M1	Washer, Lock	1
63	1 006 935 M1	Nut, Pulley Retaining	1
64	1 750 417 M1	Bolt, Thru	2
65	19 752 X	Washer, Lock, Thru Bolt	2
66	1 750 452 M91	Band Assembly, Cover, Commutator End	1
67	22 774 X	Screw, Band	1
68	358 990 X1	Nut, Cover Band Screw	1
72	187 210 M1	Bracket, Generator Mounting	1
73	184 295 M1	Strap, Generator Adjusting	1
74	181 540 M1	Bolt (5/16 x 5/8" NC, Hex.)	x
75	353 520 X1	Bolt (5/16 x 1-1/8" NF, Hex.)	x
76	353 446 X1	Washer (5/16" Lock)	x
77	353 916 X1	Nut (5/16" NF, Hex.)	x
78	353 689 X1	Bolt (3/8 x 3/4" NC, Hex.)	x
79	353 434 X1	Washer (3/8" Lock)	x
80	353 698 X1	Bolt (7/16 x 1" NC, Hex.)	x
81	353 432 X1	Washer (7/16" Lock)	x

Note: (A) - Used prior to Tractor Serial No. 662839; also used Tractor Serial Nos. 662903 thru 663015.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GENERATOR

(NEVER USED PRODUCTION, USED ONLY AS SERVICE REPLACEMENT)

Ref. No.	Part No.	Description	No. Req.
1	509 057 M91	Generator Assembly	1
2	1 754 547 M91	Head Assembly, Commutator End	1
3	1 009 710 M1	Bushing (9/16 x 25/32 x 11/16")	1
4	1 022 604 M1	Wick, Oil	1
5	1 009 711 M1	Oiler	1
6	1 750 870 M1	Plug, Oil Wick Hoe	1
7	1 750 394 M1	Pin, Dowel, Head Locating	1
8	1 754 548 M1	Washer, Felt	1
9	1 754 549 M1	Retainer, Felt Washer	1
10	1 750 431 M1	Cover, End Bearing	1
11	1 750 423 M1	Gasket, End Cover	1
12	363 576 X1	Screw, Cover (#8 - 32 x 7/16" Rd. Sltd. Hd.)	3
13	353 444 X1	Washer (#8 Lock)	3
14	1 028 574 M91	Holder Assembly, Brush (Grounded)	1
15	1 028 575 M91	Holder Assembly, Brush (Insulated)	1
16	1 754 877 M91	Brush Assembly,	2
17	1 028 573 M1	Arm, Brush	2
18	1 009 707 M1	Spring, Brush Pressure	2
19	363 567 X1	Screw, Brush Lead (#6 x 1/4" Rd. Sltd. Hd.)	2
20	195 441 M1	Washer (#6 Lock)	2
21	1 021 409 M91	Coil Assembly, Field	1
22	1 023 759 M1	Stud, Field Terminal	1
23	1 031 109 M1	Clip, Terminal	1
24	1 509 765 M1	Screw, Field Ground	1
25	353 441 X1	Washer, Ground Screw	1
26	1 750 516 M1	Insulation, Field Coil	1
27	363 710 X1	Screw, Pole Shoe	1
28	1 028 572 M1	Stud, Armature Terminal	1
29	1 009 701 M1	Bushing, Insulating, Armature Terminal (w/Smooth Surface)	1
30	1 750 442 M1	Bushing, Insulating, Field Terminal (w/Recess Machine Hd. Surface)	1
31	1 750 443 M1	Washer, Insulating, Field Terminal Stud (1/4 x 21/32 x 3/32")	1
32	1 750 465 M1	Washer, Terminal Studs (1/4 x 9/16 x 1/32")	2
33	375 142 X1	Washer (#12 Lock)	4
34	357 516 X1	Nut (#12 NC, Hex.)	4
35	1 022 601 M91	Armature Assembly	1
36	355 465 X1	Key (1/8 x 5/8" Woodruff, #DE)	1
37	1 028 729 M91	Head Assembly, Drive End	1
38	1 009 711 M1	Oiler	1
39	1 009 721 M1	Wick, Oil	1
40	1 500 195 M1	Washer, Drive End Bearing (Felt)	1
41	1 750 429 M1	Retainer, Felt Washer	1
42	354 354 X1	Bearing, Ball	1
43	1 750 504 M1	Retainer, Bearing	1
44	1 750 505 M1	Gasket, Retainer	1
45	1 022 316 M1	Screw, Retainer (#10 x 7/16" NF, Rd. Sltd. Hd.)	1
46	1 750 396 M1	Pin, Dowel, Head Locating	1
47	1 009 722 M1	Spacer, Pulley and Fan	1
48	1 750 404 M1	Washer, Spacer	1
49	1 754 245 M1	Washer, Nut Lock	1
50	1 006 935 M1	Nut, Pulley	1
51	1 750 417 M1	Bolt, Thru	2
52	19 752 X	Washer. Thru Bolt	2

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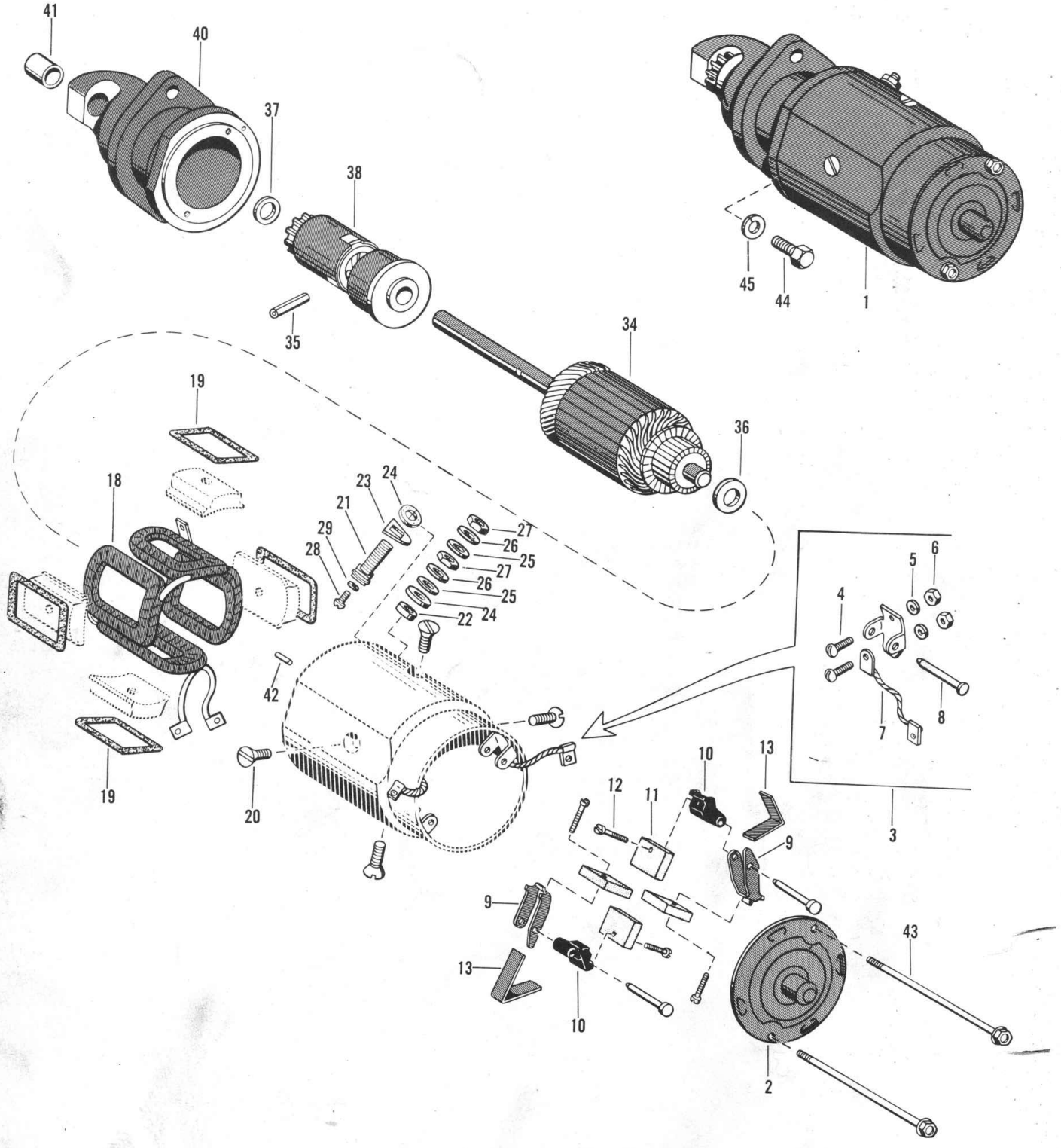
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STARTER

GAS AND L.P.

(SEE NOTE A)

Ref. No.	Part No.	Description	No. Req.
1 (A)	190 004 M91	Starter Assembly (Delco-Remy #1107226)	1
2	1 751 890 M91	Head Assembly, Commutator End	1
3	1 751 897 M91	Support Assembly, Brush Holder	2
4	354 198 X1	Screw, Support Attaching	2
5	353 445 X1	Washer (#10 Lock)	2
6	354 120 X1	Nut, Support Attaching Screw	2
7	1 751 898 M1	Lead, Brush Ground	1
8	1 751 899 M1	Pin, Brush Holder Pivot	1
9	1 030 218 M1	Holder, Grounded Brush	2
10	1 751 895 M1	Holder, Insulated Brush	2
11	1 751 892 M1	Brush	4
12	1 751 896 M1	Screw, Brush Attaching	4
13	1 751 893 M1	Spring, Brush	2
18	1 751 883 M91	Coil Assembly, Field	1
19	1 751 884 M1	Insulation, Field Coil	4
20	363 710 X1	Screw, Pole Shoes	4
21	1 751 885 M1	Stud, Terminal	1
22	1 751 886 M1	Bushing, Terminal Stud	1
23	1 019 290 M1	Insulation, Terminal Stud, Inner	1
24	1 030 921 M1	Washer, Terminal Stud Insulation	2
25	1 751 888 M1	Washer, Terminal Stud (3/8" Flat)	2
26	353 434 X1	Washer, Terminal Stud (3/8" Lock)	2
27	375 109 X1	Nut, Terminal Stud (3/8" NC, Hex.)	2
28	363 581 X1	Screw, Field Lead to Terminal Stud	1
29	355 846 X1	Washer, Lock	1
34	1 019 267 M91	Armature Assembly	1
35	1 019 288 M1	Pin, Armature Shaft	1
36	1 030 923 M1	Washer, Thrust, Commutator End	1
37	1 750 440 M1	Washer, Thrust, Drive End	1
38	1 019 269 M91	Drive Assembly, Bendix	1
40	1 021 467 M91	Housing Assembly, Drive	1
41	1 750 409 M1	Bushing	1
42	1 750 396 M1	Pin, Dowel, Housing	1
43	1 751 903 M1	Bolt, Thru	2
44	353 697 X1	Bolt, Starter Attaching (7/16 x 7/8" NC, Hex.)	2
45	353 432 X1	Washer (7/16" Lock)	2

Note: (A) - (Gas and L.P. Agr.) Used Tractor Serial No. 691660 and up.
(Gas Utility) Used Tractor Serial Nos. 691660 thru 703203.

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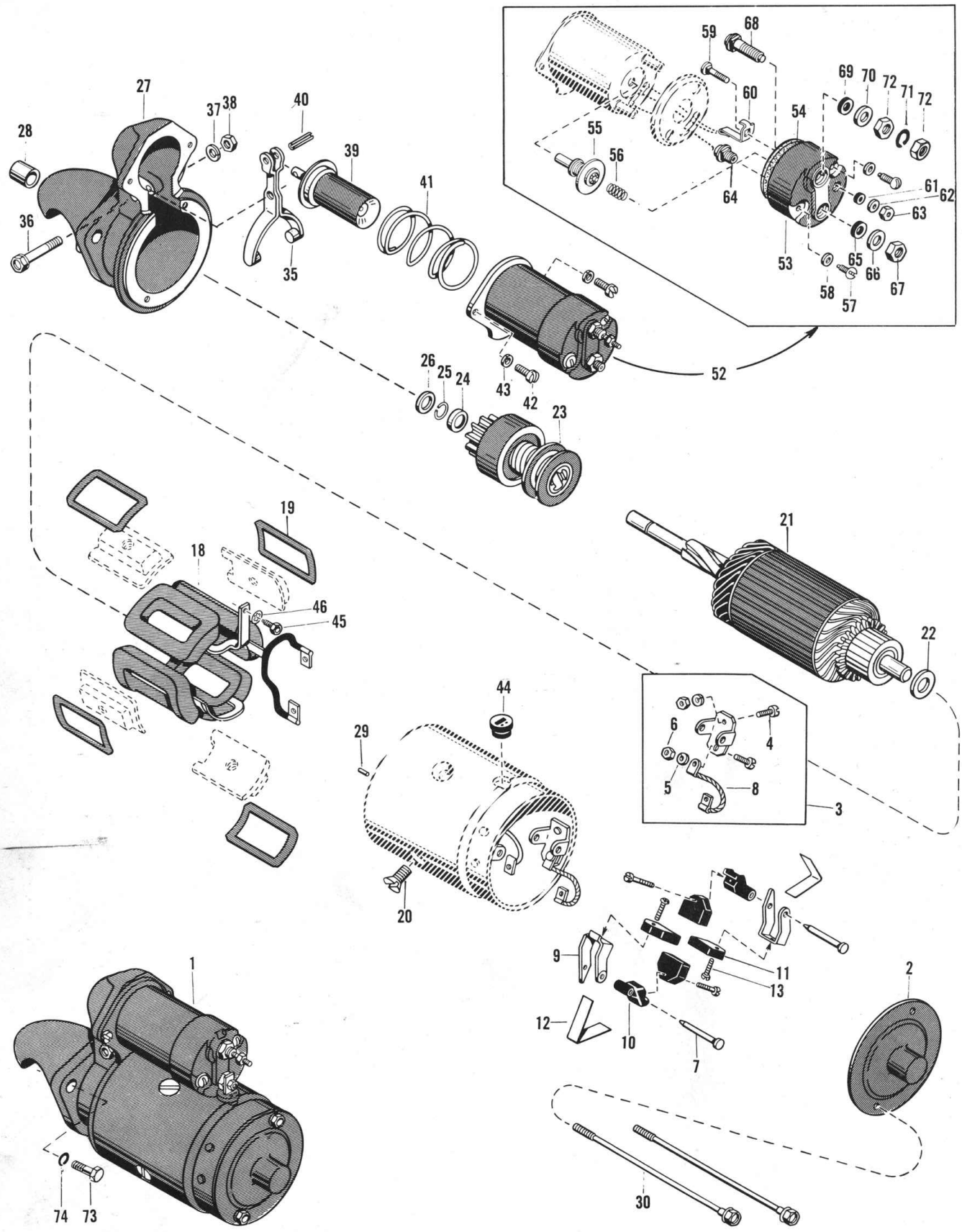
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STARTER

GAS UTILITY

(USED TRACTOR SERIAL NO. 703204 AND UP)

Ref. No.		Part No.	Description	No. Req.
1		193 922 M91	Starter Assembly (Delco-Remy #1107-329)	1
2	1	751 890 M91	Head Assembly, Commutator End	1
3	1	751 897 M91	Support Assembly, Brush Holder	2
4		354 198 X1	Screw, Support	2
5		353 445 X1	Washer, Support Screw	2
6		354 120 X1	Nut, Support Screw	2
7	1	751 899 M1	Pin, Brush Support Pivot	2
8	1	751 898 M1	Lead, Brush Ground	2
9	1	030 218 M1	Holder, Brush (Grounded)	2
10	1	751 895 M1	Holder, Brush (Insulated)	2
11	1	751 892 M1	Brush	4
12	1	751 893 M1	Spring, Brush Tension	2
13	1	751 896 M1	Screw, Brush Retainer	4
18	1	024 200 M91	Coil Assembly, Field	1
19	1	751 884 M1	Insulation, Field Coil	4
20		363 710 X1	Screw, Pole Shoes	3
20	1	025 377 M1	Screw, Pole Shoes	1
21	1	025 376 M91	Armature Assembly	1
22	1	754 261 M1	Washer, Brake (at Commutator End)	1
23	1	025 380 M91	Drive Assembly, Starter	1
24	1	024 208 M1	Collar, Drive Thrust	1
25	1	024 207 M1	Ring, Snap, Collar Retaining	1
26	1	024 206 M1	Stop, Drive Pinion	1
27	1	025 378 M91	Housing Assembly, Drive End	1
28	1	024 205 M1	Bushing, Housing	1
29	1	750 396 M1	Pin, Drive End Housing Locating	1
30	1	751 903 M1	Bolt, Thru	2
35	1	754 280 M1	Lever, Shift	1
36	1	754 307 M1	Bolt, Shift Lever Pivot	1
37		353 446 X1	Washer, Pivot Bolt	1
38		375 108 X1	Nut, Pivot Bolt Retaining	1
39	1	030 583 M1	Plunger, Solenoid	1
40		357 630 X1	Pin, Plunger to Shift Lever	1
41	1	025 009 M1	Spring, Plunger Return	1
42		357 458 X1	Screw, Solenoid Retaining	2
43		353 441 X1	Washer, Solenoid Retaining Screw	2
44	1	031 718 M1	Grommet, Field Connection	1
45	1	020 115 M1	Screw, Field Connection	1
46		22 427 X	Washer, Field Connection Screw	1
52 (A)	1	025 381 M91	Solenoid Assembly (See Note)	1
53	1	025 600 M1	Cover, Solenoid	1
54	1	020 122 M1	Gasket, Solenoid Cover	1
55	1	025 568 M91	Contact Assembly	1
56	1	009 864 M1	Spring, Contact Return	1
57		363 584 X1	Screw, Cover Retaining	2
58	1	009 869 M1	Washer, Cover Screw	2
59	1	019 378 M1	Stud, Starter Switch Terminal	1
60	1	031 215 M1	Clip, Starter Switch Terminal	1
61	1	019 383 M1	Washer, Starter Switch Terminal (Rubber)	1
62	1	019 381 M1	Washer, Starter Switch Terminal	1
63		354 119 X1	Nut, Starter Switch Terminal	1
64	1	028 576 M1	Stud, Safety Switch Terminal	1
65	1	019 384 M1	Washer, Safety Switch Terminal (Insulation)	1
66	1	009 749 M1	Washer, Safety Switch Terminal	1
67		375 109 X1	Nut, Safety Switch Terminal	1
68	1	028 526 M1	Stud, Battery and Ignition Switch Terminal	1
69	1	025 601 M1	Grommet, Battery Stud	1
70	1	025 602 M1	Washer, Battery Stud (Insulation)	1
71		353 434 X1	Washer, Battery Stud	1
72		354 123 X1	Nut, Battery Stud	1
73		353 697 X1	Bolt, Starter Attaching (7/16 x 7/8" NC, Hex.)	2
74		353 432 X1	Washer (7/16" Lock)	2

Note: (A) - Repair Solenoid will contain parts not required for this Starter; Parts not required for this application should be discarded.

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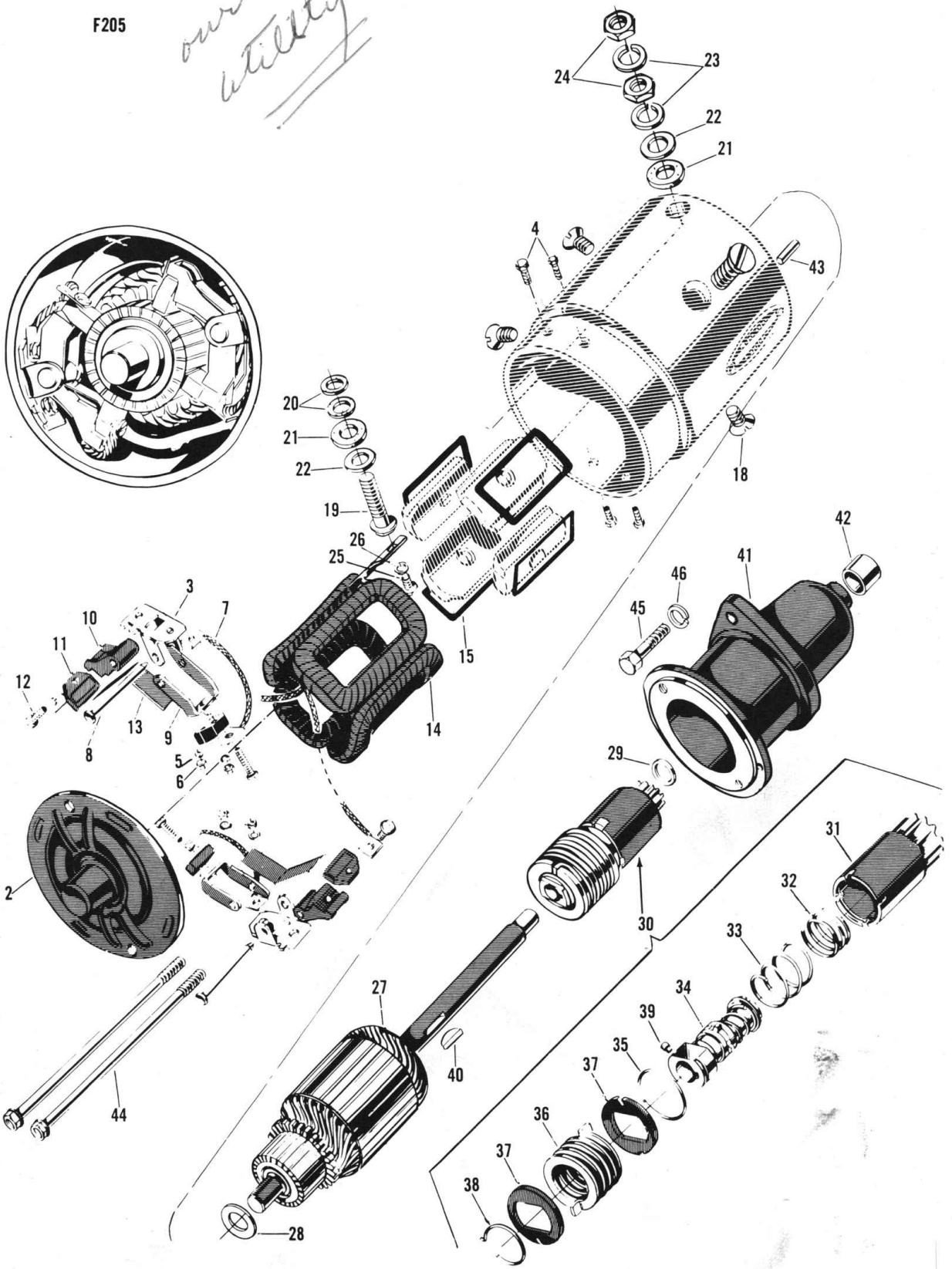
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STARTER

GAS AND L.P.

(USED PRIOR TO TRACTOR SERIAL NO. 691660)

Ref. No.	Part No.	Description	No. Req.
	182 454 M92	Starter Assembly (Delco-Remy #1107-654) (Order 190 004 M91).....	1
2	1 751 890 M91	Head Assembly, Commutator End.....	1
3	1 751 897 M91	Support Assembly, Brush Holder.....	2
4	354 198 X1	Screw, Support Attaching.....	2
5	353 445 X1	Washer (#10 Lock).....	2
6	354 120 X1	Nut (#10 Hex.).....	2
7	1 751 898 M1	Lead, Brush Ground.....	1
8	1 751 899 M1	Pin, Brush Holder Pivot.....	1
9	1 030 218 M1	Holder, Grounded Brush.....	2
10	1 751 895 M1	Holder, Insulated Brush.....	2
11	1 751 892 M1	Brush.....	4
12	1 751 896 M1	Screw, Brush Attaching.....	4
13	1 751 893 M1	Spring, Brush.....	2
14	1 751 883 M91	Coil Assembly, Field.....	1
15	1 751 884 M1	Insulation, Field Coil.....	4
18	363 710 X1	Screw, Pole Shoes.....	4
19	1 751 885 M1	Stud, Terminal.....	1
20	1 751 886 M1	Bushing, Terminal Stud.....	2
21	1 030 921 M1	Washer, Terminal Stud (Insulating)	2
22	1 751 888 M1	Washer, Terminal Stud (3/8" Flat).....	2
23	353 434 X1	Washer, Terminal Stud (3/8" Lock).....	2
24	375 109 X1	Nut, Terminal Stud (3/8" NC, Hex.).....	2
25	363 583 X1	Screw, Field Lead to Terminal Stud.....	1
26	355 846 X1	Washer, Field Lead Screw (Lock).....	1
27	1 751 880 M91	Armature Assembly.....	1
28	1 030 923 M1	Washer, Thrust, Commutator End.....	1
29	1 750 440 M1	Washer, Thrust, Drive End.....	1
30	1 750 454 M91	Drive Assembly, Bendix.....	1
31	1 750 447 M91	Pinion Assembly (Incl. Item 35).....	1
32	1 750 439 M1	Spring, Meshing.....	1
33	1 750 446 M1	Spring, Anti-Drift.....	1
34	1 750 458 M91	Shaft Assembly, Drive.....	1
35	1 750 445 M1	Ring, Snap, Pinion to Drive Shaft.....	1
36	1 750 459 M1	Spring, Drive.....	1
37	1 750 518 M1	Plate, Drive Spring.....	2
38	1 750 456 M1	Ring, Snap, Drive Spring Retaining.....	1
39	1 750 457 M1	Pin, Drive Locating.....	1
40	22 568 X	Key (3/32 x 5/8" Woodruff).....	1
41	1 751 902 M91	Housing Assembly, Drive End.....	1
42	1 750 409 M1	Bushing.....	1
43	1 750 396 M1	Pin, Housing Locating.....	1
44	1 751 903 M1	Bolt, Thru.....	2
45	353 697 X1	Bolt (7/16 x 7/8" NC, Hex.).....	2
46	353 432 X1	Washer (7/16" Lock).....	2

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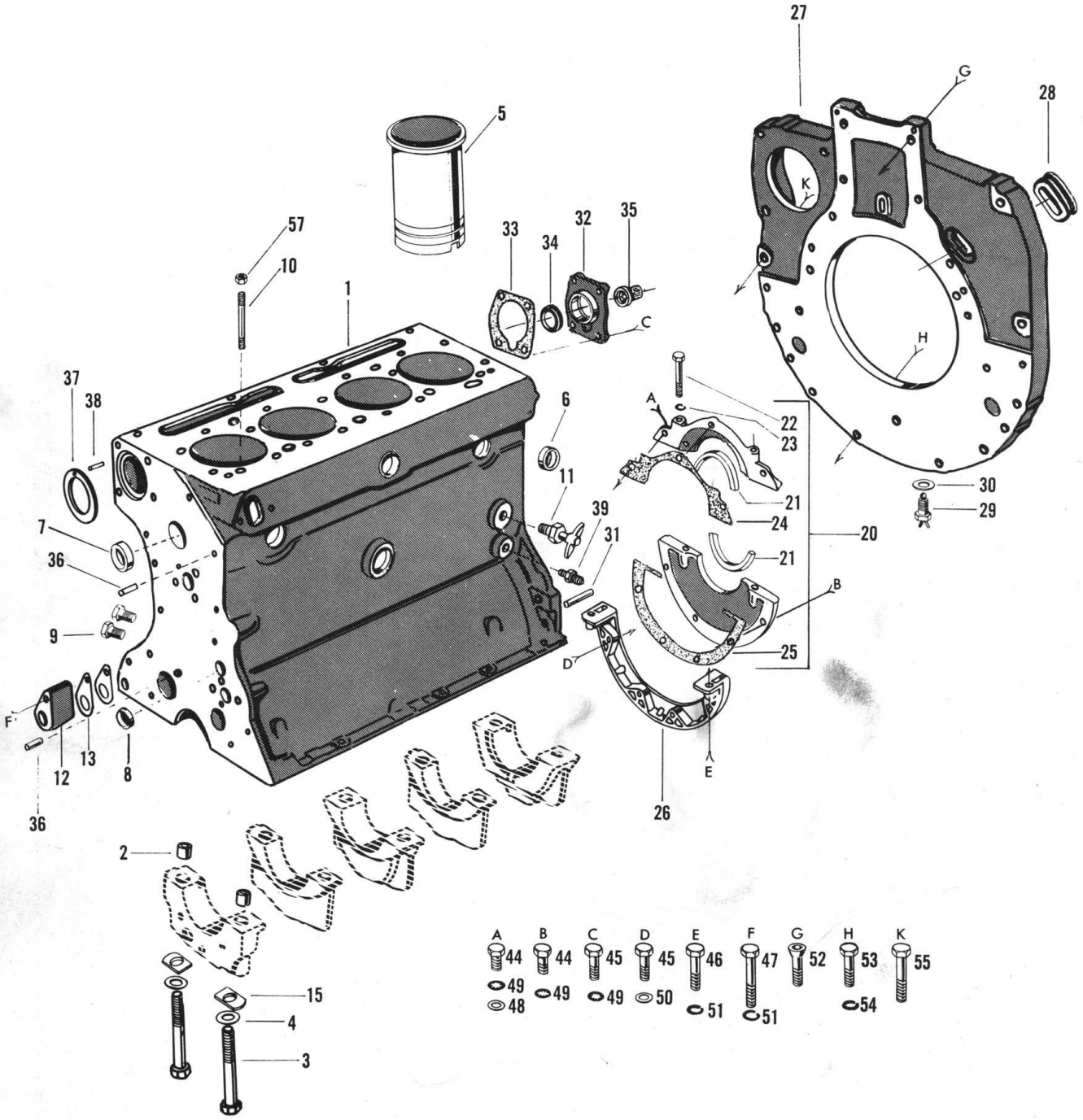
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CYLINDER BLOCK

DIRECT INJECTION DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
(A) 1	884 516 M91	20213	Block Assembly, Short (Incl. Crankshaft & Bearings, Connecting Rods & Bearings and Pistons)	1
1	736 340 M91	84636	Block Assembly, Stripped (Incl. Bearing Caps)	1
2	731 022 M1	0870001	Dowel, Ring, Bearing Cap Locating	10
3	375 722 X1	0745105	Bolt, Bearing Cap (9/16 x 3-7/8" NF, Hex.)	10
4	733 928 M1	33117118	Shim, Bearing Cap (.020")	10
5	734 175 M1	31358322	Sleeve, Cylinder Liner (Cast Iron)	4
6	731 354 M1	0650710	Plug, Block (1-1/4" Cup Type)	8
	22 766 X	0650588	Plug, Block (3/4" P.T., Sq. Hd.)	1
(B)	734 507 M91	82127	Block Assembly, Short (Incl. Crankshaft & Bearings, Connecting Rods & Bearings and Pistons)	1
1	734 465 M91	82231	Block Assembly, Stripped (Incl. Bearing Caps)	1
2	731 022 M1	0870001	Dowel, Ring, Bearing Cap Locating	10
3	375 722 X1	0745105	Bolt, Bearing Cap (9/16 x 3-7/8" NF, Hex.)	10
4	733 928 M1	33117118	Shim, Bearing Cap (.020")	10
5	734 175 M1	31358322	Sleeve, Cylinder Line (Cast Iron)	4
6	731 354 M1	0650710	Plug, Block (1-1/4" Cup Type)	8
	22 766 X	0650588	Plug, Block (3/4" P.T., Sq. Hd.)	1
(C)	732 866 M91	59579	Block Assembly, Short (Incl. Crankshaft & Bearings, Connecting Rods & Bearings and Pistons)	1
1 (J)	733 582 M91	59728	Block Assembly, Stripped (Incl. Bearing Caps)	1
2	731 022 M1	0870001	Dowel, Ring, Bearing Cap Locating	10
3	375 722 X1	0745105	Bolt, Bearing Cap (9/16 x 3-7/8" NF, Hex.)	10
4 (D)	733 928 M1	33117118	Shim, Bearing Cap (.020")	10
5	732 638 M1	31358308	Sleeve, Cylinder Liner (Chrome)	4
6	731 354 M1	0650710	Plug, Block (1-1/4" Cup Type)	9
7 (E)	731 355 M1	0650692	Plug, Block (7/8" Cup Type)	1
8	731 356 M1	0650566	Plug, Block (11/16" Cup Type)	2
9 (F)	731 433 M1	0650738	Plug, Block (1/2 x 7/8" NF, Hex.)	2
10 (G)	734 308 M1	32524132	Stud, Cylinder Head (7/16" NF x 3-5/8")	8
10 (G)	734 309 M1	32524133	Stud, Cylinder Head (7/16" NF x 4-5/16")	11
10 (G)	734 266 M1	32524131	Stud, Cylinder Head (7/16" NF x 4-1/8")	4
10 (H)	734 261 M1	32524129	Stud, Cylinder Head (7/16" NF x 3-7/16")	8
10 (H)	734 266 M1	32524131	Stud, Cylinder Head (7/16" NF x 4-1/8")	15
10 (I)	732 793 M1	32524122	Stud, Cylinder Head (7/16" NF x 3-9/16")	8
10 (I)	733 158 M1	0826624	Stud, Cylinder Head (7/16" NF x 4-1/8")	15
11 1	851 764 M1	31419	Cock, Cylinder Block Drain	1
12	734 162 M1	36177511	Spacer, Axle Bracket to Block	1
13	733 237 M1	36177415	Shim, Spacer (.015")	x
13	732 791 M1	36177409	Shim, Spacer (.028")	x
15	731 023 M1	0921108	Lock, Tab, Bearing Cap Bolt	10
20	733 583 M91	59729	Cover Assembly, Rear Oil Seal	1
21	735 866 M1	36883106	Seal, Oil	2
22	342 147 X1	0748420	Bolt (5/16 x 2-1/4" NC, Hex.)	2
23	353 446 X1	0920053	Washer (5/16" Lock)	2
24	732 643 M1	36817125	Gasket, Rear Oil Seal, Top	1
25	732 644 M1	36817124	Gasket, Rear Oil Seal, Bottom	1
26	732 696 M1	37353651	Housing, Oil Pan Seal	1
27	733 633 M1	37147972	Plate, Adapter, Engine to Transmission	1
28	732 902 M1	37813113	Plug, Timing Hole	1
29	734 964 M91	41374416	Plug Assembly, Adapter Plate, w/Cotter Pin	1
30 1	650 338 M1	0920155	Washer, Plug (25/64 x 35/64 x 5/64" Copper)	1
31	1 260 A	0350016	Dowel, Adapter Plate (3/8 x 3/4")	2
32	731 050 M1	0440551	Housing, Tractormeter Drive	1
33	732 051 M1	0490699	Gasket, Tractormeter Drive Housing	1
34	636 762 M1	30854	Seal, Oil, Tractormeter Drive Housing	1
35	735 889 M1	0201361	Connector, Tractormeter Drive	1
36	731 312 M1	0350015	Dowel, Timing Gear Housing (3/8 x 9/16")	2
37	731 029 M1	0491081	Plate, Camshaft Thrust	1
38	375 570 X1	0610904	Pin, Camshaft Thrust Plate	1
39	731 054 M1	0201396	Connector, Oil Pressure Line	1
44	375 733 X1	0746354	Bolt (5/16 x 11/16" NF, Hex.)	6
45	353 518 X1	0746255	Bolt (5/16 x 7/8" NF, Hex.)	8
46	353 522 X1	0096232	Bolt (5/16 x 1-3/8" NF, Hex.)	2
47	353 527 X1	0096236	Bolt (5/16 x 2" NF, Hex.)	2
48	734 638 M1	33114118	Shim, Oil Seal Cover	3
49	22 756 X	0920299	Washer (5/16" Int. Skpf.)	8
50	732 575 M1	2411152	Washer (21/64 x 31/64 x 3/64" Aluminum)	4
51	353 446 X1	0920053	Washer (5/16" Lock)	x
52	358 005 X1	0720798	Screw (3/8 x 1" NF, Flat Sckt. Hd.)	2
53	353 538 X1	0746454	Bolt (3/8 x 1" NF, Hex.)	6
54	353 434 X1	0920054	Washer (3/8" Lock)	x
55	353 699 X1		Bolt (7/16 x 1-1/8" NC, Hex.)	x
55	353 707 X1		Bolt (7/16 x 2-1/8" NC, Hex.)	x
55	353 714 X1		Bolt (7/16 x 3" NC, Hex.)	x
57	353 426 X1	33221315	Nut (7/16" NF, Hex.)	x

Notes: (A) - Used Engine Serial Number 29D2381 and up.
(B) - Used Engine Serial Number 2939036 to 29D2381.
(C) - Used prior to Engine Serial Number 2939036. Order 734 507 M91.
(D) - Used Engine Serial Number 291 8367 and up.
(E) - Used prior to Engine Serial Number 292 3451.
(F) - Used prior to Engine Serial Number 297 4236.
(G) - Used Serial Number 293 9036 and up.
(H) - Used Engine Serial Number 293 8107 to 293 9036.
(I) - Used prior to Engine Serial Number 293 8107.
(J) - For Repairs order (1) 734 465 M91 (4) 734 466 M91 (11) 734 309 M1 (8) 734 308 M1 (4) 734 266 M1.

CRANKSHAFT AND BEARINGS, FLYWHEEL

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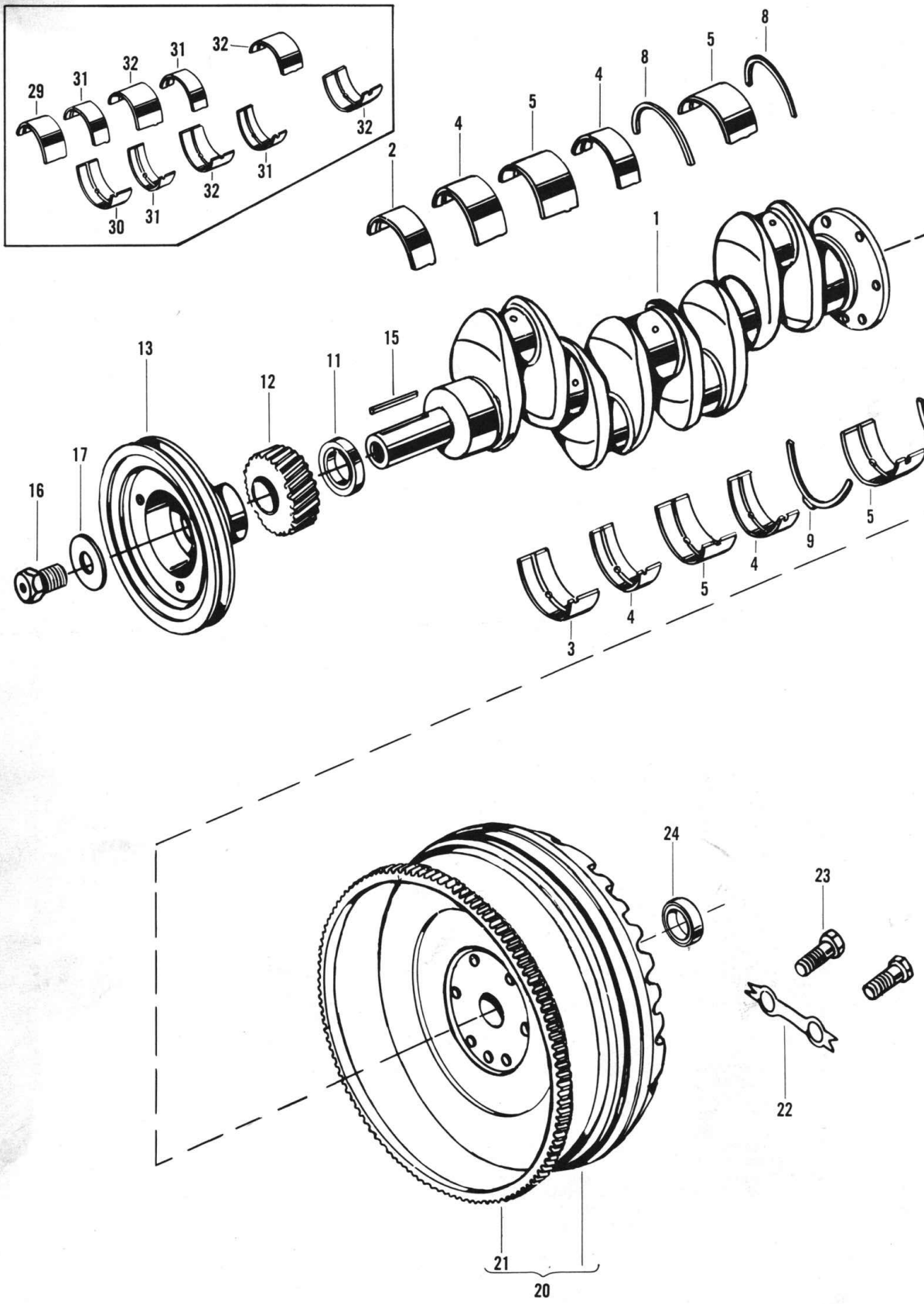

CRANKSHAFT AND BEARINGS, FLYWHEEL

DIRECT INJECTION DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1 (A)	736 186 M1	31315144	Crankshaft (See Note A)	1
2 (B)	732 432 M1	31122321	Insert, Main Bearing, Front, Top (Standard) (1.295 to 1.305" Wide)	1
3 (B)	732 431 M1	31122311	Insert, Main Bearing, Front, Bottom (Standard) (1.295 to 1.305" Wide)	1
4 (B)	732 430 M1	31121221	Insert, Main Bearing, Intermediate (Standard) (.990 to 1" Wide)	4
5 (B)	733 040 M1	31123271	Insert, Main Bearing, Center and Rear (Standard) (1.595 to 1.605" Wide)	4
8	735 112 M1	31127211	Washer, Thrust, Rear Main, Top (Standard) (Aluminum)	2
8 (C)	731 017 M1	0920849	Washer, Thrust, Rear Main, Top (Standard) (Steel)	2
8	735 800 M1	31137212	Washer, Thrust, Rear Main, Top (+.007") (Aluminum)	x
8 (D)	731 819 M1	0920849A	Washer, Thrust, Rear Main, Top (+.007") (Steel)	x
9	735 113 M1	31137221	Washer, Thrust, Rear Main, Bottom (Standard) (Aluminum)	2
9 (E)	731 016 M1	31137171	Washer, Thrust, Rear Main, Bottom (Standard) (Steel)	2
9	735 801 M1	31137222	Washer, Thrust, Rear Main, Bottom (+.007") (Aluminum)	x
9 (F)	731 808 M1	31137172	Washer, Thrust, Rear Main, Bottom (+.007") (Steel)	x
11	731 073 M1	0330934	Spacer, Crankshaft Timing Gear	1
12	731 074 M1	0410228	Gear, Crankshaft Timing	1
13 (G)	734 563 M1	31148677	Pulley, Crankshaft (w/3 Tapped Holes 3/8" - 16)	1
13 (H)	732 800 M1	31148672	Pulley, Crankshaft (w/3 Tapped Holes 3/8" - 24)	1
15	731 076 M1	36271704	Key, Pulley and Timing Gear	1
16	375 835 X1	0745138	Bolt, Pulley Retaining	1
17	731 376 M1	33125112	Washer, Pulley Bolt	1
20	734 861 M91	0999961	Flywheel Assembly (Used w/Dual Clutch) (Incl. Item 21)	1
20 (I)	736 167 M91	0999930	Flywheel Assembly (Used w/Single Clutch) (Incl. Item 21)	1
20 (J)	734 095 M91	0999866	Flywheel Assembly (Used w/Single Clutch) (Incl. Item 21)	1
21	731 008 M1	0410236	Gear, Ring	1
22	731 192 M1	0921062	Lock, Flywheel Bolts	3
23	353 593 X1	32162203	Bolt, Flywheel (1/2 x 1-1/4" NF, Hex.) (Used w/734 861 M91 and 736 167 M91)	6
23	733 595 M1	0096834	Bolt, Flywheel (1/2 x 1-7/8" NF, Hex.) (Used w/734 095 M91)	6
24	832 960 M1		Bearing, Clutch Pilot (Agricultural Models)	1
24	832 953 M1		Bearing, Clutch Pilot (Utility Models)	1
29 (B)	732 619 M1	31122322	Insert, Main Bearing, Front, Top (-.010") (1.295 to 1.305" Wide)	1
30 (B)	732 615 M1	31122312	Insert, Main Bearing, Front, Bottom (-.010") (1.295 to 1.305" Wide)	1
31 (B)	732 611 M1	31121222	Insert, Main Bearing, Intermediate (-.010") (.990 to 1" Wide)	4
32 (B)	733 566 M1	31123272	Insert, Main Bearing, Center and Rear (-.010") (1.595 to 1.605" Wide)	4
29 (B)	732 620 M1	31122323	Insert, Main Bearing, Front, Top (.-020") (1.295 to 1.305" Wide)	1
30 (B)	732 616 M1	31122313	Insert, Main Bearing, Front, Bottom (-.020") (1.295 to 1.305" Wide)	1
31 (B)	732 612 M1	31121223	Insert, Main Bearing, Intermediate (-.020") (.990 to 1" Wide)	4
32 (B)	733 568 M1	31123273	Insert, Main Bearing, Center and Rear (-.020") (1.595 to 1.605" Wide)	4
29 (B)	732 621 M1	31122324	Insert, Main Bearing, Front, Top (-.030") (1.295 to 1.305" Wide)	1
30 (B)	732 617 M1	31122314	Insert, Main Bearing, Front, Bottom (.-030") (1.295 to 1.305" Wide)	1
31 (B)	732 613 M1	31121224	Insert, Main Bearing, Intermediate (-.030") (.990 to 1" Wide)	4
32 (B)	733 587 M1	31123274	Insert, Main Bearing, Center and Rear (-.030") (1.595 to 1.605" Wide)	4

Notes:
(A) - Part No. for reference only. For repairs order 736 366 M91 Crankshaft Kit (See Page 67)
(B) - Individual Inserts listed are used with production Crankshaft 736 186 M1. Complete Main Bearing Inserts Kits shown on Page 67 may also be used with production Crankshaft 736 186 M1 provided all Inserts are replaced.
(C) - For repairs of Steel Thrust Washer 731 017 M1 order (1) 735 112 M1 and (1) 735 113 M1 Aluminum Thrust Washers.
(D) - For repairs of Steel Thrust Washer 731 819 M1 order (1) 735 800 M1 and (1) 735 801 M1 Aluminum Thrust Washers.
(E) - For repairs of Steel Thrust Washer 731 016 M1 order (1) 735 113 M1 and (1) 735 112 M1 Aluminum Thrust Washers.
(F) - For repairs of Steel Thrust Washer 731 808 M1 order (1) 735 801 M1 and (1) 735 800 M1 Aluminum Thrust Washers.
(G) - Used Engine Serial No. 291 3328 and up.
(H) - Used prior to Engine Serial No. 291 3328. For repairs order 734 563 M1, Pulley.
(I) - Used late production Tractors. Flywheel is 3/4" thick at Mounting Holes.
(J) - Used early production Tractors. Flywheel is 1-1/4" thick at Mounting Holes. For repairs order (1) 736 167 M91. Flywheel and (6) 353 593 X1, Bolts.

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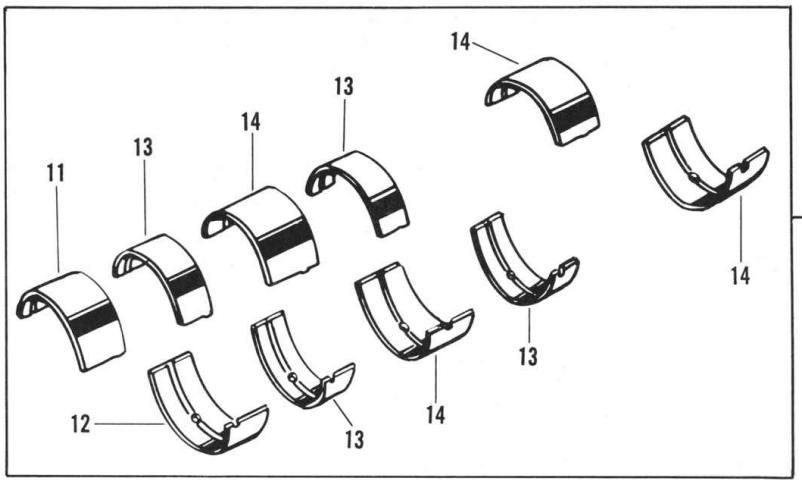

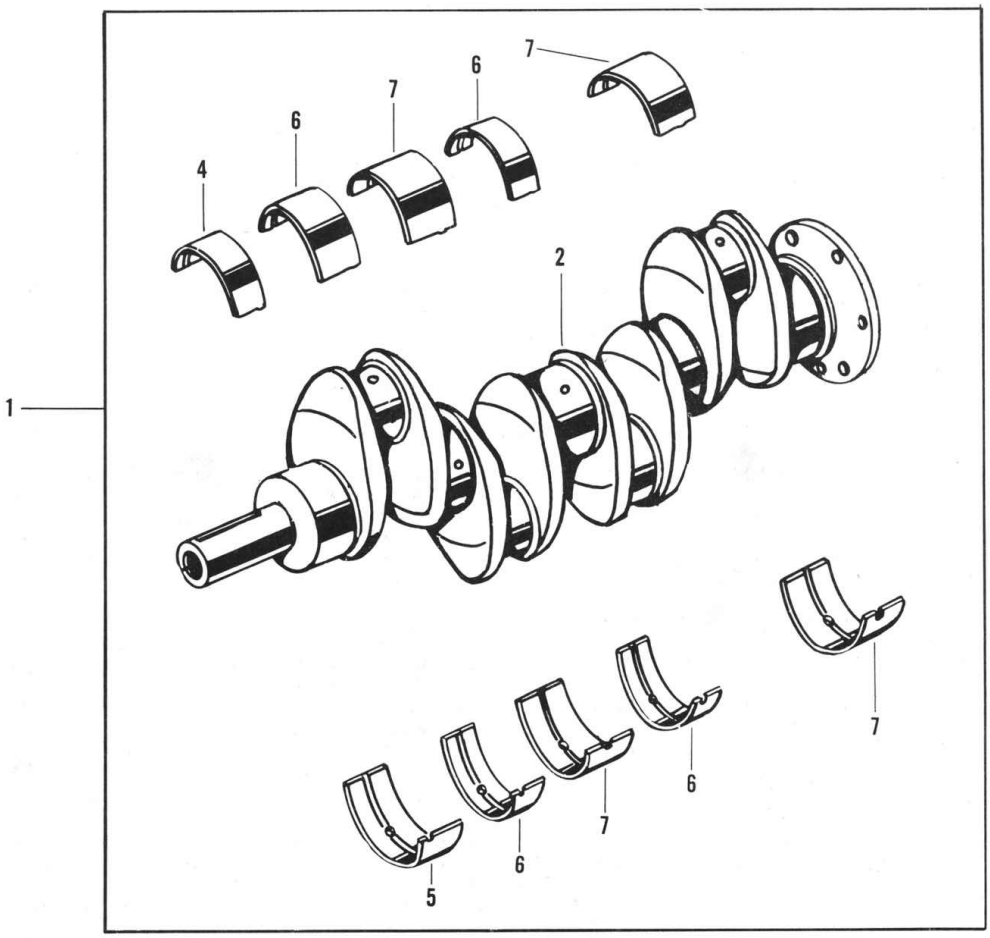

CRANKSHAFT AND BEARINGS

DIRECT INJECTION DIESEL

(SEE NOTES A AND B)

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1 (A)	736 366 M91	83447	Crankshaft Kit	1
2	736 230 M1	31315145	Crankshaft (Order 736 366 M91)	1
(B)	736 336 M91	83437	Insert Kit, Main Bearing (Standard)	1
4	736 232 M1	31122421	Insert, Front, Top (1.264 to 1.274" Wide)	1
5	736 233 M1	31122411	Insert, Front, Bottom (1.264 to 1.274" Wide)	1
6	736 234 M1	31121261	Insert, Intermediate (.927 to .937" Wide)	4
7	736 231 M1	31123331	Insert, Center and Rear (1.532 to 1.542" Wide)	4
10 (B)	736 337 M91	83437A	Insert Kit, Main Bearing (-.010")	1
11	736 347 M1	31122422	Insert, Front, Top (1.264 to 1.274" Wide)	1
12	736 344 M1	31122412	Insert, Front, Bottom (1.264 to 1.274" Wide)	1
13	736 341 M1	31121262	Insert, Intermediate (.927 to .937" Wide)	4
14	736 350 M1	31123332	Insert, Center and Rear (1.532 to 1.542" Wide)	4
10 (B)	736 338 M91	83437B	Insert Kit, Main Bearing (-.020")	1
11	736 348 M1	31122423	Insert, Front, Top (1.264 to 1.274" Wide)	1
12	736 345 M1	31122413	Insert, Front, Bottom (1.264 to 1.274" Wide)	1
13	736 342 M1	31121263	Insert, Intermediate (.927 to .937" Wide)	4
14	736 351 M1	31123333	Insert, Center and Rear (1.532 to 1.542" Wide)	4
10 (B)	736 339 M91	83437B	Insert Kit, Main Bearing (-.030")	1
11	736 349 M1	31122424	Insert, Front, Top (1.264 to 1.274" Wide)	1
12	736 346 M1	31122414	Insert, Front, Bottom (1.264 to 1.274" Wide)	1
13	736 343 M1	31121264	Insert, Intermediate (.927 to .937" Wide)	4
14	736 352 M1	31123334	Insert, Center and Rear (1.532 to 1.542" Wide)	4

Notes: (A) - Crankshaft Kit 736 366 M91 to be used to repair production Crankshaft 736 186 M1 (See Page 65)

(B) - Main Bearing Insert Kits and individual Inserts listed are to be used with 736 230 M1 Crankshaft. Main Bearing Insert Kits may also be used with production Crankshaft 736 186 M1 provided all Inserts are replaced.

PISTONS AND RINGS, CONNECTING RODS AND BEARINGS

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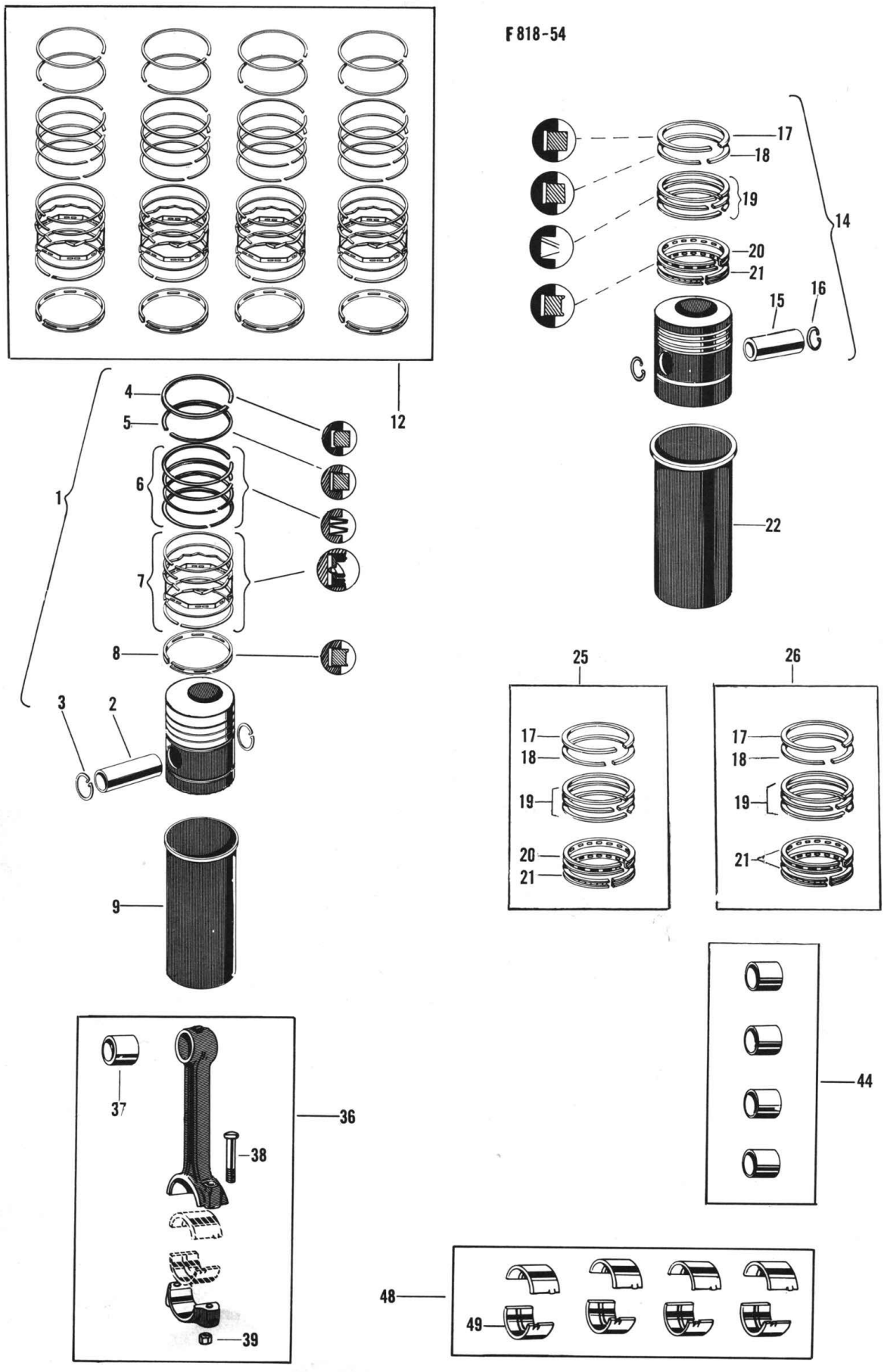

PISTONS AND RINGS, CONNECTING RODS AND BEARINGS

(DIRECT INJECTION DIESEL)

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
		743824M91 Piston 836325M91 Ring		
1 (A)	~~734 466 M91~~	82112	Piston Assembly (For Cast Iron Sleeves)	4
2	731 083 M1	0610516	Pin, Piston	1
3	375 709 X1	0170001	Ring, Snap, Piston Pin Retaining	2
4	734 050 M1	31362191	Ring, Compression (1st Groove)	1
5	731 080 M1	0640135	Ring, Compression (2nd Groove)	1
6	732 878 M1	31365181	Ring, Compression (3rd Groove)(Segment Type)	4
7	734 051 M1	31377181	Ring, Oil Control (4th Groove)	1
8	731 082 M1	0640134	Ring, Oil Control (5th Groove)	1
9 (A)	~~734 175 M1~~	31358322	Sleeve, Piston (Cylinder Liner) (Cast Iron) 739.043.M1	4
12 (A)	734 470 M91	82118	Ring Set, Piston (For 734 466 M91 Piston)	1
		743824M91 Piston		
14 (B)	~~733 573 M91~~	59618	Piston Assembly (For Chrome Sleeves) (Used in Production only) (Order 734 578 M91)	4
		841521M1 Ring		
15	731 083 M1	0610516	Pin, Piston	1
16	375 709 X1	0170001	Ring, Snap, Piston Pin Retaining	2
17	732 801 M1	31362151	Ring, Compression (1st Groove)	1
18	732 802 M1	31362161	Ring, Compression (2nd Groove)	1
19	732 878 M1	31365181	Ring, Compression (3rd Groove) (Segment Type)	3
20	732 803 M1	31372131	Ring, Oil Control (3/16") (4th Groove)	1
21	732 804 M1	31372121	Ring, Oil Control (1/4") (5th Groove)	1
22 (B)	732 638 M1	31358308	Sleeve, Piston (Cylinder Liner) (Chrome)	4
25 (B)	735 334 M91	82905	Ring Set, Single Piston (For 733 573 M91, 3/16" - 4th Groove Piston)	4
14 (B)	734 578 M91	82137	Piston Assembly (For Chrome Sleeves) (Used for Repairs only)	4
15	731 083 M1	0610516	Pin, Piston	1
16	375 709 X1	0170001	Ring, Snap, Piston Pin Retaining	2
17	732 801 M1	31362151	Ring, Compression (1st Groove)	1
18	732 802 M1	31362161	Ring, Compression (2nd Groove)	1
19	732 878 M1	31365181	Ring, Compression (3rd Groove) (Segment Type)	4
21	732 804 M1	31372121	Ring, Oil Control (1/4") (4th and 5th Groove)	2
22 (B)	732 638 M1	31358308	Sleeve, Piston (Cylinder Liner) (Chrome)	4
26 (B)	735 335 M91	82906	Ring Set, Single Piston (For 734 578 M91, 1/4" - 4th Groove Piston)	4
36	733 658 M91	59733	Connecting Rod Assembly	4
37	731 087 M1	0050119	Bushing, Piston Pin	1
38	375 756 X1	0095250	Bolt, Connecting Rod Cap	2
39	376 156 X1	2211155	Nut, Connecting Rod Bolt	2
44	731 712 M91	58269	Bushing Set, Piston Pin	1
48	732 710 M91	58707	Insert Set, Connecting Rod Bearing (Standard)	1
49	732 434 M1	31131171	Insert, Connecting Rod Bearing (Standard)	8
48	732 711 M91	58708	Insert Set, Connecting Rod Bearing (-.010")	1
49	732 627 M1	31131172	Insert, Connecting Rod Bearing (-.010")	8
48	732 712 M91	59171	Insert Set, Connecting Rod Bearing (-.020")	1
49	732 628 M1	31131173	Insert, Connecting Rod Bearing (-.020")	8
49	732 629 M1	31131174	Insert, Connecting Rod Bearing (-.030")	8

Note: (A) - Used Engine Serial No. 2939036 and up.
(B) - Used prior to Engine Serial No. 2939036.

CYLINDER HEAD AND COVER, VALVES AND ROCKER ARMS

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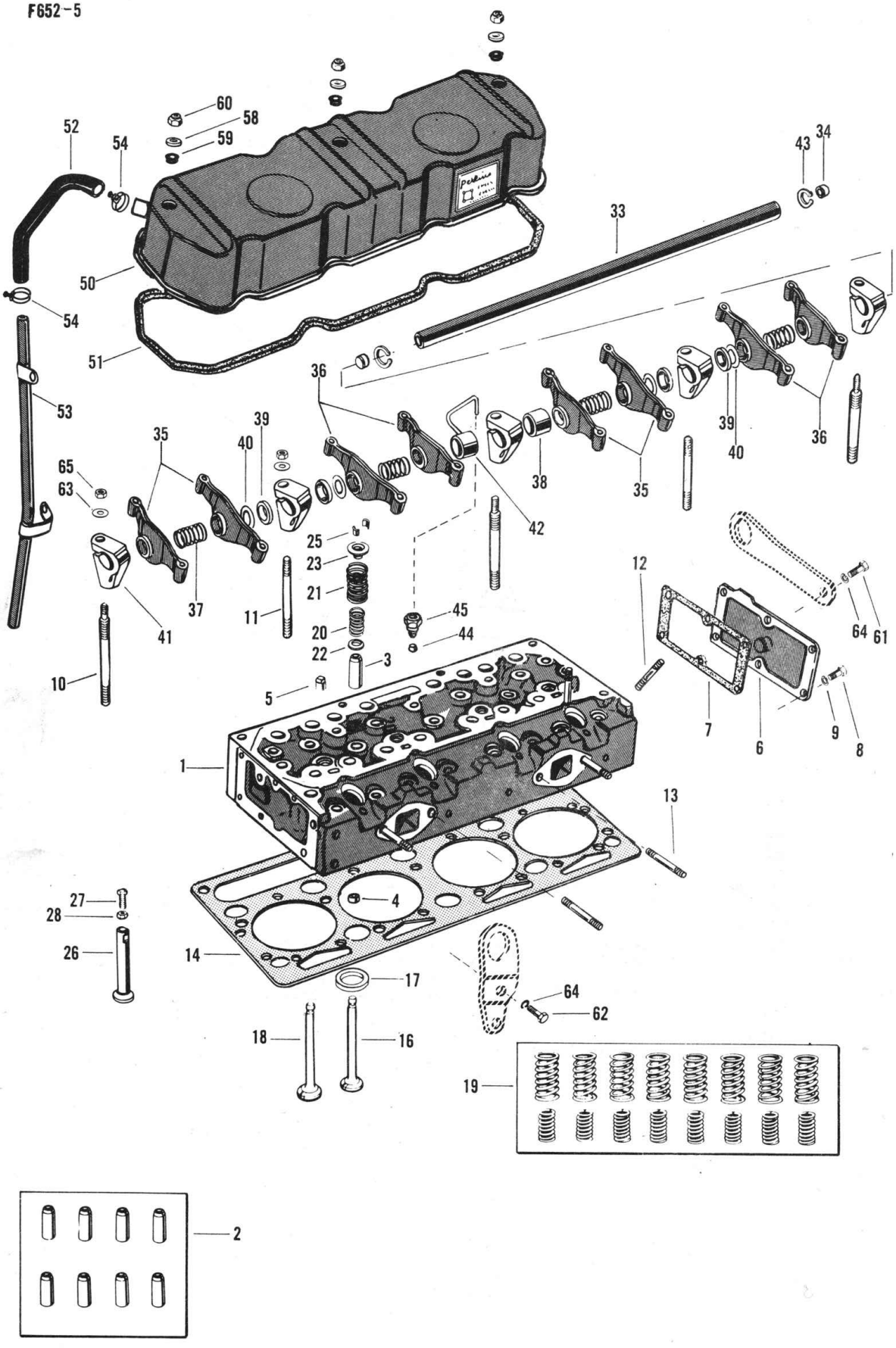

CYLINDER HEAD AND COVER, VALVES AND ROCKER ARMS

DIRECT INJECTION DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1	735 090 M91	82612	Head Assembly, Cylinder	1
2	732 726 M91	59184	Guide Set, Valve	1
3	732 445 M1	33261723	Guide, Valve	8
4	731 362 M1	0650685	Restrictor, Water Port (3/8 x 7/8 x 3/8")	3
5	731 361 M1	0650590	Plug, Cylinder Head	4
6	731 127 M1	0941118	Plate, Cylinder Head End Cover	1
7	731 128 M1	0490485	Gasket, Cover Plate to Head	1
8	353 502 X1	0746052	Bolt, Cover Plate (1/4 x 5/8" NF, Hex.)	6
9	353 441 X1	0920052	Washer, Cover Plate Bolt (1/4" Lock)	6
10	731 329 M1	0825241	Stud, Cylinder Head (3/8 - 5/16" NF x 3-3/4")	3
11	731 328 M1	0826479	Stud, Cylinder Head (3/8" NF x 2-7/8")	2
12	733 053 M1	0826264	Stud, Injector (5/16" NF x 2")	8
13	731 326 M1	0825258	Stud, Exhaust Manifold (3/8" NF x 1-7/16")	4
14	734 260 M1	36812126	Gasket, Cylinder Head	1
16	732 812 M1	31431271	Valve, Exhaust	4
17	735 831 M1	33124428	Seat, Exhaust Valve (Service only)	x
18	732 811 M1	31431281	Valve, Intake	4
19	731 706 M91	58263	Spring Set, Valves	1
20	731 153 M1	0780007	Spring, Valve, Inner (21/32" ID x 3/4" OD)	8
21	731 154 M1	0780006	Spring, Valve, Outer (29/32" ID x 1-1/16" OD)	8
22	731 959 M1	33411107	Retainer, Valve Spring, Lower	8
23	731 156 M1	0150008	Cap, Valve Spring, Upper	8
25	731 155 M1	0230001	Lock, Valve (Pair)	8
26	731 150 M1	0860012	Tappet, Valve	8
27	731 332 M1	0720677	Screw, Tappet Adjusting	8
28	353 430 X1	0576052	Nut, Tappet Adjusting Screw Lock (3/8" NF, Hex.)	8
	731 683 M91	55437	Shaft Assembly, Rocker Arm (Complete)	1
33	731 675 M91	52703	Shaft Assembly, Rocker Arm	1
34	731 330 M1	0650507	Plug, Rocker Arm Shaft	2
35	731 142 M1	0520430	Arm, Rocker, Right Hand	4
36	731 143 M1	0520429	Arm, Rocker, Left Hand	4
37	731 146 M1	0780009	Spring, Rocker Arm Shaft	4
38	731 145 M1	0330510	Spacer, Rocker Arm Shaft (21/32 x 7/8 x 15/16")	1
39	731 144 M1	0330517	Spacer, Rocker Arm Shaft (21/32 x 7/8 x 1/8")	4
40	731 141 M1	0760001	Shim, Rocker Arm Shaft (41/64 x 1 x .020")	x
41	731 140 M1	0101138	Bracket, Rocker Arm Shaft	5
42	731 147 M91	0994748	Line Assembly, Oil, Rocker Arm Shaft	1
43	375 717 X1	0170033	Ring, Snap, Rocker Arm Shaft	2
44	22 114 X	0566002	Sleeve, Rocker Arm Shaft Oil Line	1
45	731 331 M1	0571351	Nut, Rocker Arm Shaft Oil Line	1
50	732 817 M91	37188533	Cover Assembly, Cylinder Head	1
51	732 821 M1	36811112	Gasket, Cylinder Head Cover	1
52	732 823 M1	34828432	Hose, Breather Pipe	1
53 (C)	734 185 M91	35732502	Pipe Assembly, Breather (15-5/8" Long)	1
53 (D)	732 822 M91	35732475	Pipe Assembly, Breather (17" Long) (Order 734 185 M91)	1
54	832 714 M1	0180103	Clamp, Hose to Pipe	2
58	353 755 X1	0920497	Washer (11/32 x 3/4 x 5/64")	3
59	731 336 M1	0921337	Washer (11/32" ID x 5/8" Leather)	3
60	375 721 X1	0576102	Nut (5/16" NF, Special)	3
61	353 536 X1	0746452	Bolt (3/8 x 3/4" NF, Hex.)	1
62	353 537 X1	0746453	Bolt (3/8 x 7/8" NF, Hex.)	2
63	375 706 X1	0920004	Washer (3/8 x 3/4 x 5/64")	5
64	353 434 X1	0920054	Washer (3/8" Lock)	3
65	375 558 X1	0576104	Nut (3/8" NF, Special)	5

Notes: (C) - Used Engine Serial No. 293 1328 and up.
(D) - Used prior to Engine Serial No. 293 1328.

TIMING GEARS, HOUSING AND COVER, CAMSHAFT

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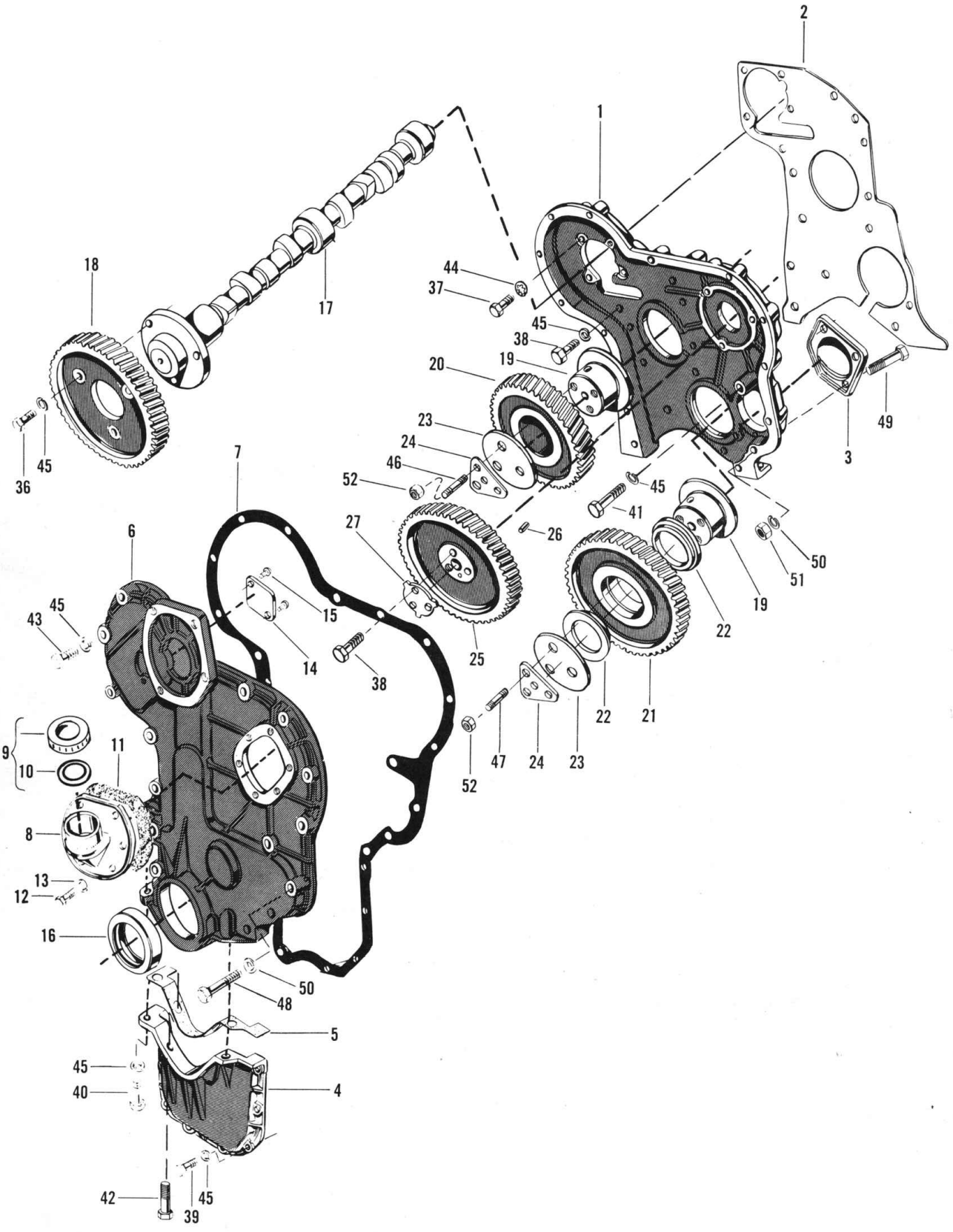


TIMING GEARS, HOUSING AND COVER, CAMSHAFT

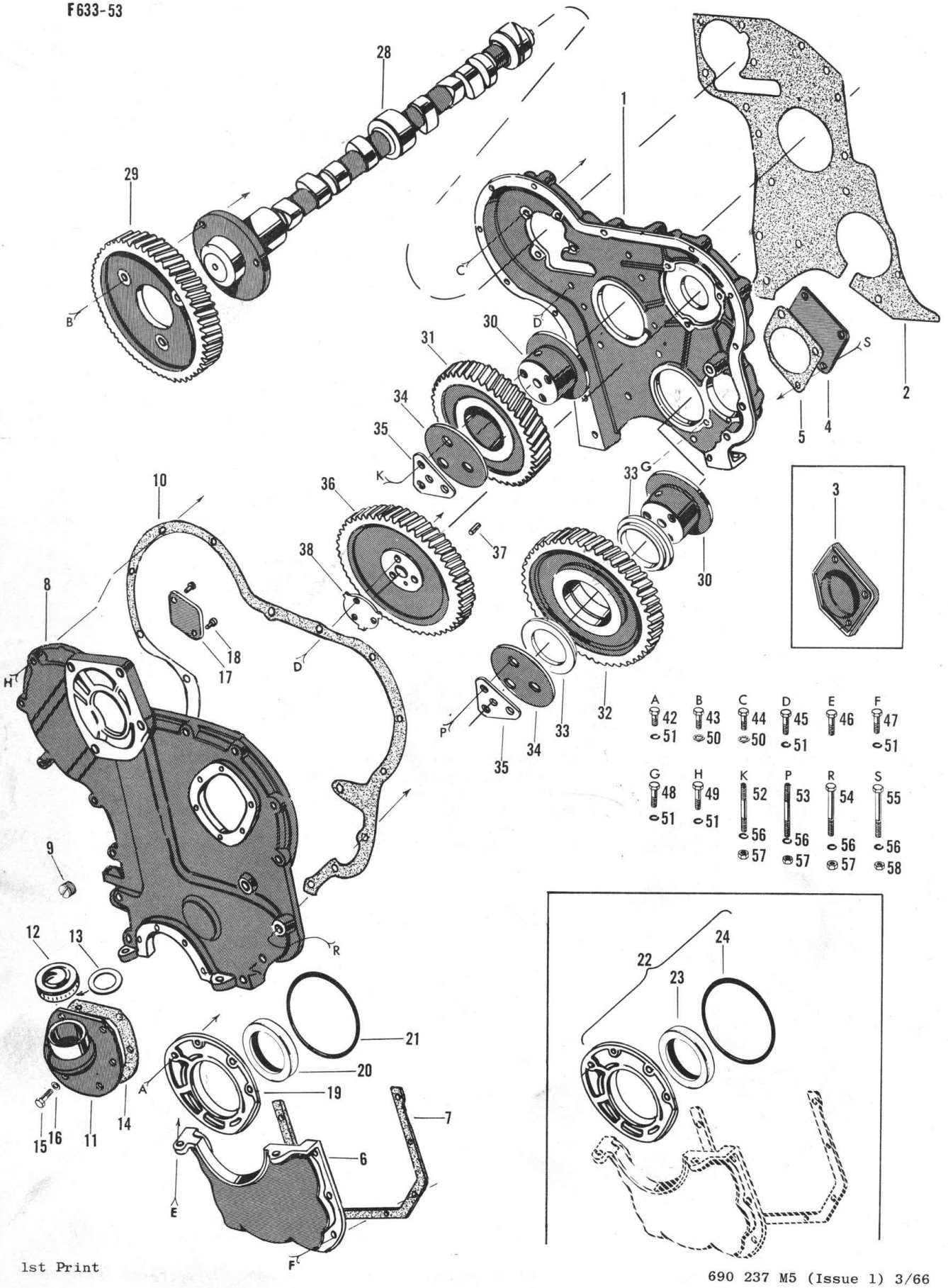
DIRECT INJECTION DIESEL

(USED ENGINE SERIAL NUMBER 29C 1084 AND UP)

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1	734 939 M1	37161651	Housing, Timing Gear	1
2	732 687 M1	36814116	Gasket, Housing to Block	1
3	733 959 M1	37556142	Plate, Timing Gear Housing Cover	1
4	734 934 M1	37537481	Cover, Timing Gear Bottom	1
5	734 933 M1	36853515	Gasket, Bottom Cover to Front Cover	1
6	736 189 M91	84183	Cover Assembly, Timing Gear Housing, Front	1
7	735 848 M1	36813144	Gasket, Front and Bottom Cover to Housing	1
8	731 222 M91	35784431	Cover Assembly, Oil Filler and Inspection	1
9	1 851 752 M91	2487841	Cap Assembly, Oil Filler	1
10	1 881 644 M1	24870001	Gasket, Cap	1
11	731 219 M1	36862512	Gasket, Oil Filler and Inspection Cover	1
12	732 704 M1	0748352	Bolt, Cover (1/4 x 5/8" NC, Hex.)	6
13	376 005 X1	0920103	Washer, Cover Bolt (9/32 x 15/32 x 1/16" Copper)	6
14	732 797 M1	36171114	Plate, Thrust, Camshaft	1
15	376 054 X1	2126199	Rivet, Thrust Plate to Front Cover	2
16	1 851 747 M1	2414111	Seal, Oil, Front Cover	1
17	731 027 M1	0140034	Camshaft	1
18	731 028 M1	0410231	Gear, Camshaft	1
19	731 031 M1	0450035	Hub, Idler Gear	2
20	731 034 M1	0410227	Gear, Idler, Upper	1
21	731 797 M91	41115004	Gear Assembly, Idler, Lower	1
22	731 033 M1	0050345	Bushing, Lower Idler Gear	2
23	731 036 M1	0941082	Plate, Idler Gear Retaining	2
24	731 292 M1	0921246	Lock, Idler Gear	2
25	734 657 M91	31171442	Gear Assembly, Injection Pump Drive	1
26	731 977 M1	0350507	Dowel, Drive Gear Locating (1/4 x 7/16")	1
27	731 978 M1	31734116	Lock, Injection Pump Drive Gear	1
36	353 517 X1	0746254	Bolt (5/16 x 3/4" NF, Hex.)	3
37	375 732 X1	0746355	Bolt (5/16 x 3/4" NF, Thin Hex. Hd.)	4
38	353 518 X1	0746255	Bolt (5/16 x 7/8" NF, Hex.)	11
39	353 519 X1	0746211	Bolt (5/16 x 1" NF, Hex.)	8
40	353 679 X1	0748415	Bolt (5/16 x 1" NC, Hex.)	2
41	353 520 X1	0096201	Bolt (5/16 x 1-1/8" NF, Hex.)	1
42	353 685 X1	0748418	Bolt (5/16 x 1-3/4" NC, Hex.)	2
43	376 050 X1	0748404	Bolt (5/16 x 7/8" NC, Thin Hex. Hd.)	6
43	353 683 X1	0748418	Bolt (5/16 x 1-3/4" NC, Hex.)	4
44	22 756 X1	0920299	Washer (5/16" Int. Skpf.)	4
45	353 446 X1	0920053	Washer (5/16" Lock)	30
46	731 303 M1	0826434	Stud (3/8" NF x 2-9/16")	3
47	731 302 M1	0826475	Stud (3/8" NF x 2-3/4")	3
48	353 554 X1	0096441	Bolt (3/8 x 3" NF, Hex.)	2
49	354 273 X1	2234040	Bolt (3/8 x 3" NC, Hex.)	3
50	353 434 X1	0920054	Washer (3/8" Lock)	3
51	354 123 X1	2238153	Nut (3/8" NC, Hex.)	3
52	353 431 X1	0576051	Nut (3/8" NF, Hex.)	6

TIMING GEARS, HOUSING AND COVER, CAMSHAFT

F633-53



TIMING GEARS, HOUSING AND COVER, CAMSHAFT

DIRECT INJECTION DIESEL

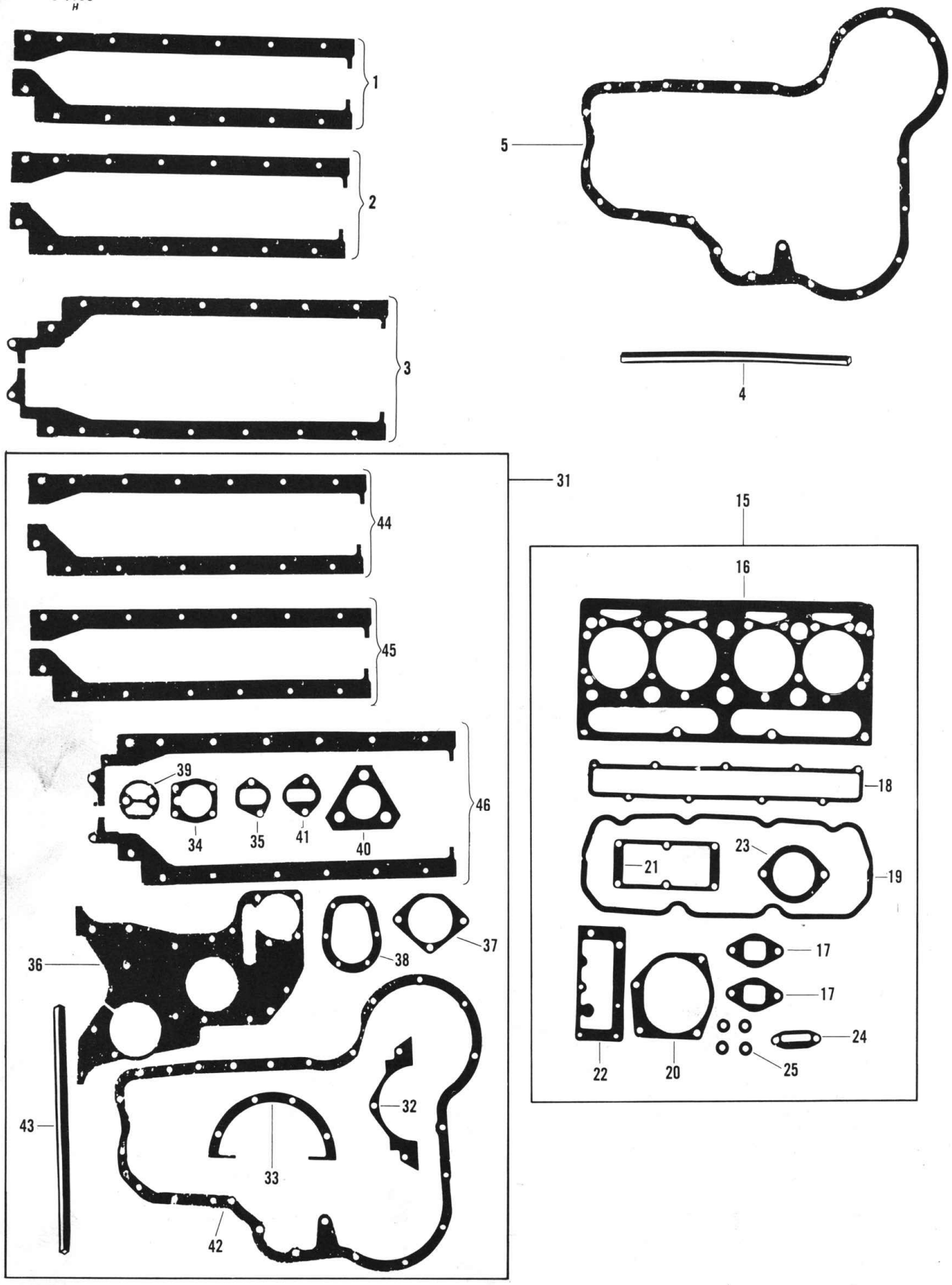
(USED PRIOR TO ENGINE SERIAL NUMBER 29C 1084)

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1	732 796 M1	37161581	Housing, Timing Gears	1
2	732 687 M1	36814116	Gasket, Timing Gears, Housing to Block	1
3 (A)	733 959 M1	37556142	Plate, Timing Gear Housing	1
4 (B)	732 492 M1	36237126	Plate, Timing Gear Housing	1
5 (B)	731 058 M1	0490697	Gasket, Timing Gear Cover Plate	1
6	732 728 M1	37354381	Cover, Timing Gear Housing, Bottom	1
7 (H)	732 689 M1	36865108	Gasket, Timing Gear Cover, Bottom	1
8	734 642 M91	82451	Cover Assembly, Timing Gear Housing, Front	1
9 (C)	376 049 X1	32114421	Plug, Cover	1
10 (H)	732 798 M1	36813128	Gasket, Cover to Housing	1
11	731 220 M91	35784431	Cover Assembly, Oil Filler Body and Inspection	1
12	1 851 752 M91	2487841	Cap Assembly, Oil Filler	1
13	1 881 644 M1	24870001	Gasket, Cap	1
14	731 219 M1	36862512	Gasket, Cover	1
15	732 704 M1	0748352	Bolt, Cover to Housing (1/4 x 5/8" NC, Hex.)	6
16	376 005 X1	0920103	Washer (9/32 x 15/32 x 1/16" Copper)	6
17	732 797 M1	36171114	Plate, Thrust, Camshaft	1
18	376 054 X1	2126199	Rivet, Thrust Plate	1
19 (D)	734 561 M1	37513581	Housing, Front Cover Oil Seal	1
20	1 851 747 M1	2414111	Seal, Oil, Front Cover	1
21	732 799 M1	2415745	"O" Ring, Front Cover	1
22 (E)	733 576 M91	59738	Housing Assembly, Front Cover Oil Seal	1
23	1 851 747 M1	2414111	Seal, Oil, Front Cover	1
24	732 799 M1	2415745	"O" Ring, Front Cover	1
28	731 027 M1	0140034	Camshaft	1
29	731 028 M1	0410231	Gear, Camshaft	1
30	731 031 M1	0450035	Hub, Idler Gears	2
31	731 034 M1	0410227	Gear, Idler, Upper	1
32	731 797 M91	41115004	Gear Assembly, Idler, Lower	1
33	731 033 M1	0050345	Bushing, Lower Idler Gear	2
34	731 036 M1	0941082	Plate, Idler Gears Retaining	2
35	731 292 M1	0921246	Lock, Idler Gears Plate	2
36 (F)	734 657 M91	31171442	Gear Assembly, Injection Pump Drive	1
37	731 977 M1	0350507	Dowel, Drive Gear Locating (1/4 x 7/16")	1
36 (G)	732 730 M91	41155103	Gear Assembly, Injection Pump Drive	1
37	731 977 M1	0350507	Dowel, Drive Gear Locating (1/4 x 7/16")	1
38	731 978 M1	31734116	Lock, Injection Pump Drive Gear Screws	1
42	353 676 X1	0748412	Bolt (5/16 x 5/8" NC, Hex.)	x
43	353 517 X1	0746254	Bolt (5/16 x 3/4" NF, Hex.)	x
44	375 732 X1	0746355	Bolt (5/16 x 3/4" NF, Thin Hex. Hd.)	x
45	353 518 X1	0746255	Bolt (5/16 x 7/8" NF, Hex.)	x
46	353 683 X1	0748404	Bolt (5/16 x 7/8" NC, Thin Hex. Hd.)	x
47	353 678 X1	0748414	Bolt (5/16 x 7/8" NC, Hex.)	x
48	353 519 X1	0746211	Bolt (5/16 x 1" NF, Hex.)	x
49	353 520 X1	0096201	Bolt (5/16 x 1-1/8" NF, Hex.)	x
50	22 756 X	0920299	Washer (5/16" Int. Skpf.)	x
51	353 446 X1	0920053	Washer (5/16" Lock)	x
52	731 303 M1	0826434	Stud (3/8" NF x 2-9/16")	x
53	731 302 M1	0826475	Stud (3/8" NF x 2-3/4")	x
54	353 554 X1	0096441	Bolt (3/8 x 3" NF, Hex.)	x
55	354 273 X1	2234040	Bolt (3/8 x 3" NC, Hex.)	x
56	353 434 X1	0920054	Washer (3/8" Lock)	x
57	353 431 X1	0576051	Nut (3/8" NF, Hex.)	x
58	354 123 X1	2238153	Nut (3/8" NC, Hex.)	x

Notes: (A) - Used Engine Serial No. 292 2746 and up.
(B) - Used prior to Engine Serial No. 292 2746.
(C) - Used w/some early Mfg. Covers.
(D) - Used Engine Serial No. 296 6445 and up.
(E) - Used prior to Engine Serial No. 296 6445.
(F) - Used Engine Serial No. 296 6773 and up.
(G) - Used prior to Engine Serial No. 296 6773.
(H) - Used prior to Engine Serial No. 29C 1084. For Repairs order (1) 735 848 M1, Gasket.

ENGINE GASKET KITS

F 1183 H



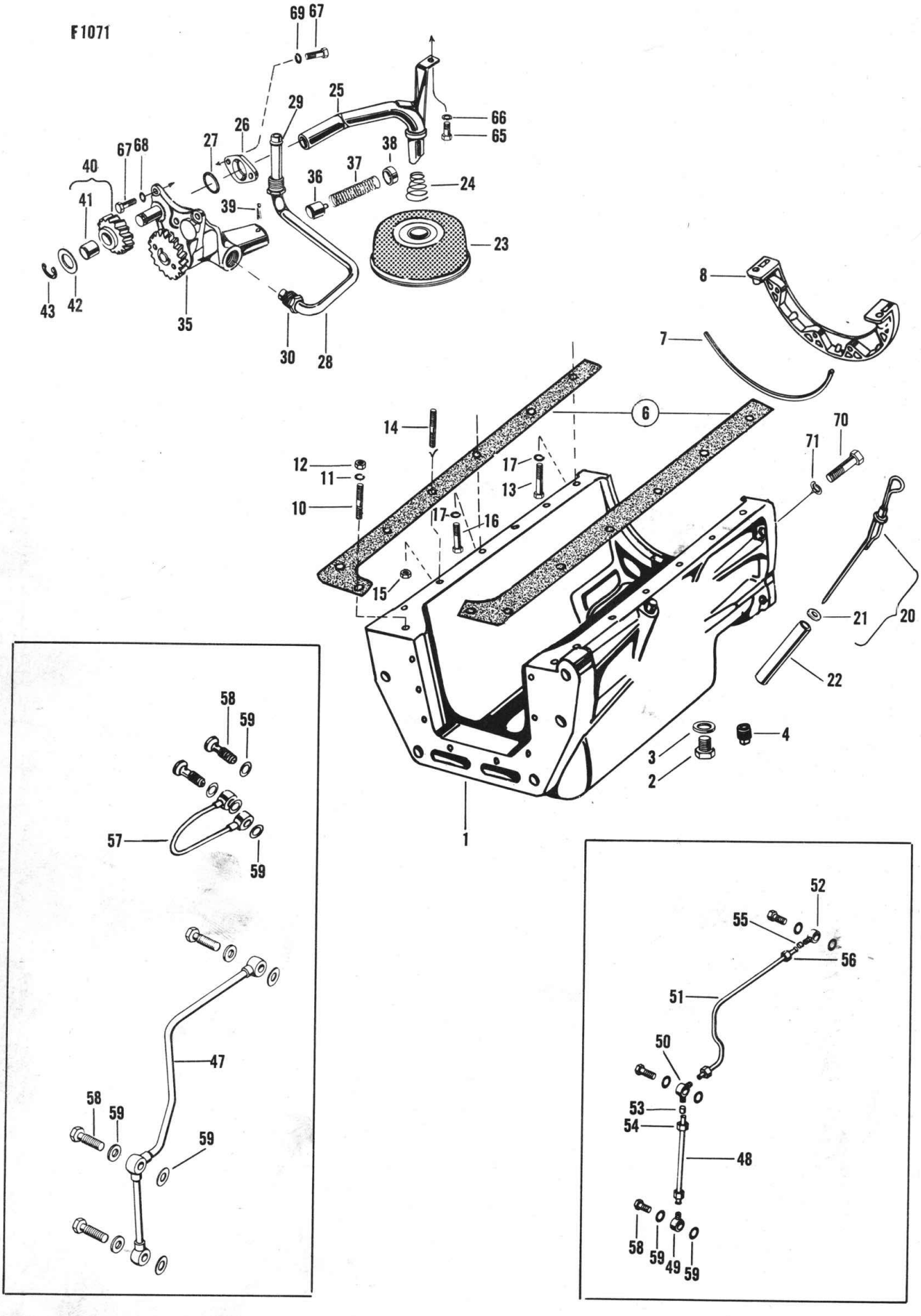
ENGINE GASKET SETS

DIRECT INJECTION DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1 (A)	735 545 M91	41424203	Gasket Set, Oil Pan Sides (Pair)	1
2 (B)	734 935 M91	41424202	Gasket Set, Oil Pan Sides (Pair)	1
3 (C)	732 695 M91	0999717	Gasket Set, Oil Pan Sides (Pair)	1
4	732 690 M1	36884108	Gasket, Oil Pan, Rear	1
5	735 848 M1	36813144	Gasket, Oil Pan Front and Timing Gear Cover	1
15	735 349 M91	82907	Gasket Set, Valve Grind	1
16	734 260 M1	36812126	Gasket, Cylinder Head	1
17	732 814 M1	36837409	Gasket, Exhaust Manifold	2
18	732 816 M1	36867116	Gasket, Intake Manifold	1
19	732 821 M1	36811112	Gasket, Cylinder Head Cover	1
20	731 165 M1	0490690	Gasket, Water Pump Back Plate	1
21	731 128 M1	0490485	Gasket, Cylinder Head End Cover	1
22	731 131 M1	0490701	Gasket, Water Outlet Connection	1
23	731 133 M1	0490707	Gasket, Water Outlet Connection, Top	1
24	731 135 M1	0490702	Gasket, Water By-Pass Connection	1
25	376 091 X1	0921173	Washer, Injection Nozzle	4
31 (D)	~~736 387 M91~~ 745987 M91	83451	Gasket Set, Bottom Overhaul (Incl. Item 32 thru 45)	1
31 (E)	735 350 M91	82908	Gasket Set, Bottom Overhaul (Incl. Item 32 thru 43 & 46)	1
32	732 643 M1	36817125	Gasket, Crankshaft, Rear, Top	1
33	732 644 M1	36817124	Gasket, Crankshaft, Rear, Bottom	1
34	731 051 M1	0490699	Gasket, Tachometer Drive Housing	1
35	731 052 M1	0490692	Gasket, Water Inlet Connection	1
36	732 687 M1	36814116	Gasket, Timing Gear Housing to Block	1
37	731 058 M1	0490697	Gasket, Steering Pump	1
38	731 219 M1	36862512	Gasket, Oil Filler Cover	1
39	731 124 M1	0490514	Gasket, Oil Filter to Block	1
40	731 176 M1	0490685	Gasket, Fuel Injection Pump Mounting	1
41	733 479 M1	36862126	Gasket, Fuel Lift Pump Mounting	1
42	735 848 M1	36813144	Gasket, Front Timing Gear Cover	1
43	732 690 M1	36884108	Gasket, Oil Pan, Rear	1
44 (A)	735 545 M91	41424203	Gasket Set, Oil Pan Sides (Pair)	1
45 (B)	734 935 M91	41424202	Gasket Set, Oil Pan Sides (Pair)	1
46 (C)	732 695 M91	0999717	Gasket Set, Oil Pan Sides (Pair)	1

Notes: (A) - Used Engine Serial No. 29 D 2381 and up.
(B) - Used Engine Serial No. 29 C 1084 to 29 D 2381.
(C) - Used prior to Engine Serial No. 29 C 1084.
(D) - Used Engine Serial No. 29 C 1084 and up.
(E) - Used prior to Engine Serial No. 29 C 1084.

OIL PUMP, OIL PAN, LUBRICATING LINES



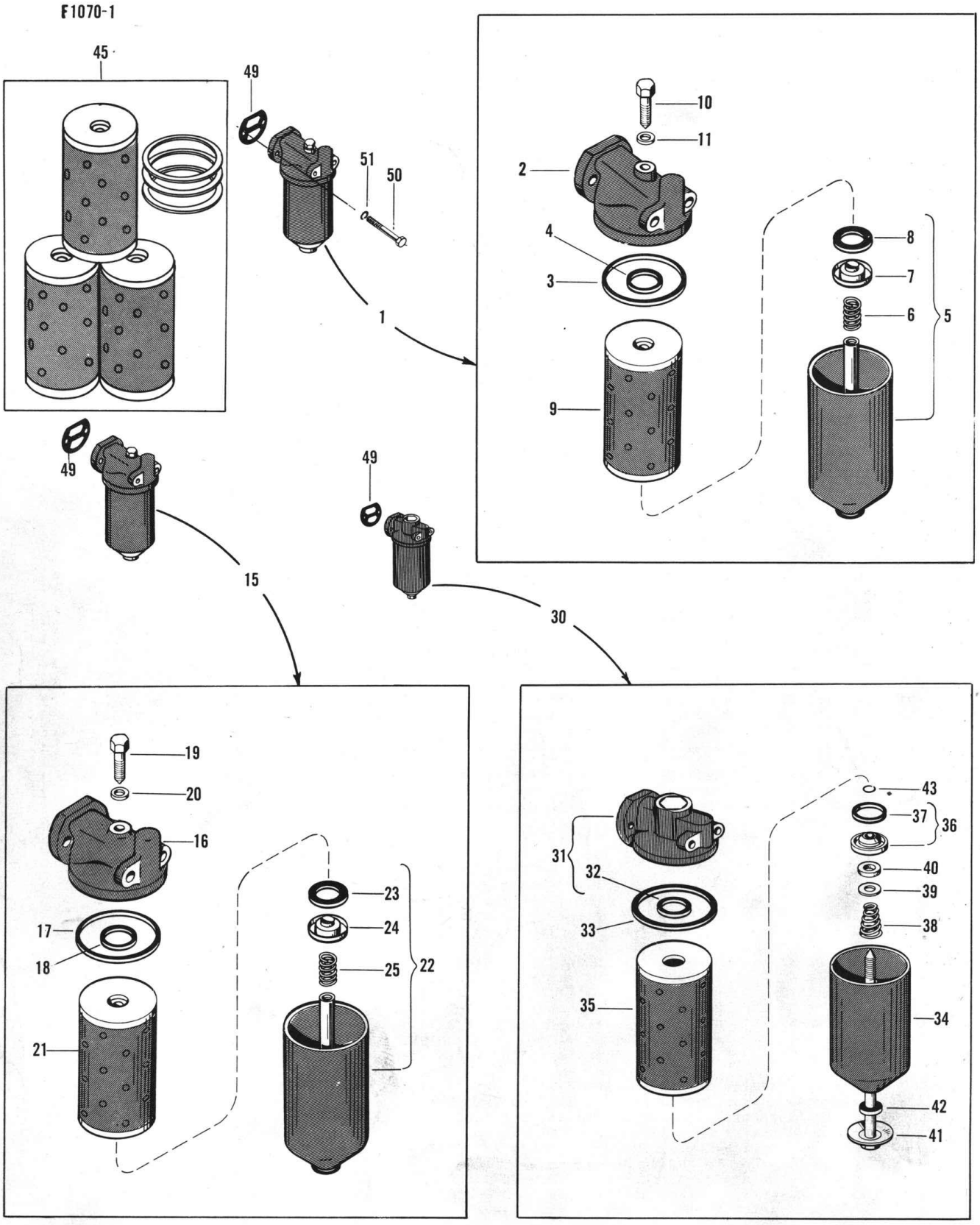
OIL PUMP, OIL PAN, LUBRICATING LINES

DIRECT INJECTION DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1 (A)	735 844 M1	37171525	Pan, Oil (w/3/4" NF, Drain Hole)	1
1 (B)	735 204 M1	37171523	Pan, Oil (w/3/4" NF, Drain Hole)	1
1 (C)	732 635 M1	37171521	Pan, Oil (w/1/2" P.T., Drain Hole)	1
2 (D)	376 501 X1	2487004	Plug, Oil Pan Drain (3/4" NF, Hex.)	1
3 (D)	735 088 M1	2411160	Washer, Drain Plug	1
4 (C)	375 182 X1	0650540	Plug, Oil Pan Drain (1/2" P.T., Sq. Hd.)	1
6 (A)	735 545 M91	41424203	Gasket Set, Oil Pan Sides (Pair)	1
6 (E)	735 935 M91	41424202	Gasket Set, Oil Pan Sides (Pair)	1
6 (F)	732 695 M91	0999717	Gasket Set, Oil Pan Sides (Pair)	1
7	732 690 M1	36884108	Gasket, Oil Pan Seal	1
8	732 696 M1	37353651	Housing, Seal	1
10	732 809 M1	0826413	Stud, Oil Pan to Timing Gear Housing (3/8" NF x 1-7/16")	2
11	353 434 X1	0920054	Washer (3/8" Lock)	2
12	353 431 X1	0576051	Nut, Stud (3/8" NF, Hex.)	2
13	353 520 X1	0746201	Bolt, Pan to Block (5/16 x 1-1/8" NF, Hex.)	6
14 (A)	735 939 M1	32523405	Stud, Pan to Block (7/16" NF x 2-3/4")	6
15 (A)	195 911 M1	0576101	Nut, Pan to Block Stud (7/16" NF, Hex., Lock)	6
16 (G)	353 527 X1	2185034	Bolt, Pan to Block (5/16 x 2" NF, Hex.)	6
17	353 446 X1	0920053	Washer, Pan to Block Bolts (5/16" Lock)	x
20	731 117 M91	31786412	Dipstick Assembly	1
21	731 119 M1	33812108	Washer, Felt	1
22	734 581 M1	33242407	Tube, Dipstick	1
23	732 685 M1	37725437	Strainer, Oil Intake	1
24	732 808 M1	31747109	Spring, Strainer	1
25	732 679 M91	35737146	Pipe Assembly, Oil Suction	1
26	731 107 M1	36174115	Flange, Oil Suction Pipe	1
27	731 108 M1	0640144	"O" Ring, Flange	1
28	731 109 M1	34715124	Pipe, Oil Delivery	1
29	375 759 X1	0560244	Sleeve, Oil Delivery Pipe	2
30	375 831 X1	33532121	Nut, Oil Delivery Pipe	2
35	733 256 M91	41314033	Pump Assembly, Oil	1
36	731 096 M1	0630082	Plunger, Relief Valve	1
37	731 097 M1	0780312	Spring, Relief Valve	1
38	731 098 M1	0150144	Cap, Relief Valve	1
39	354 059 X1	0610011	Cotter Pin (1/8 x 1")	1
	376 946 X1	2415811	"O" Ring, Oil Pump Inspection Plug (Not Illustrated)	1
40	731 635 M91	0994967	Gear Assembly, Oil Pump Idler	1
41	731 102 M1	0050344	Bushing, Idler Gear	1
42	731 319 M1	0921241	Washer, Idler Gear	1
43	731 103 M1	0180831	Ring, Snap, Idler Gear Retaining	1
47 (A)	735 487 M91	35587349	Line Assembly, Pressure Rail Lubricating Oil	1
47 (H)	734 207 M91	35587339	Line Assembly, Pressure Rail Lubricating Oil	1
48 (I)	731 041 M1	0623402	Line, Pressure Rail Lubricating Oil (Lower)	1
49 (I)	731 042 M1	0201399	Connection, Lower Line (Bottom)	1
50 (I)	731 044 M1	0201397	Connection, Lower to Upper Line	1
51 (I)	731 043 M1	0623401	Line, Pressure Rail Lubricating Oil (Upper)	1
52 (I)	731 045 M1	0201398	Connection, Upper Line	1
53 (I)	375 751 X1	0566003	Sleeve, Lower Line	2
54 (I)	375 750 X1	0576112	Nut, Lower Line	2
55 (I)	22 114 X	0566002	Sleeve, Upper Line	2
56 (I)	22 113 X	0576111	Nut, Upper Line	2
57 (A)	735 488 M91	35551504	Line Assembly, Camshaft Chamber	1
57 (G)	732 482 M91	35551503	Line Assembly, Camshaft Chamber	1
58	731 294 M1	0095350	Bolt, Lubricating Lines (Banjo Type)	5
59	375 801 X1	0920126	Washer, Banjo Bolts (25/64 x 9/16 x 1/8" Copper Asbestos)	10
65	353 502 X1	0746052	Bolt (1/4 x 5/8" NF, Hex.)	x
66	353 441 X1	0920052	Washer (1/4" Lock)	x
67	353 517 X1	0746254	Bolt (5/16 x 3/4" NF, Hex.)	x
68	22 756 X	0920299	Washer (5/16" Int. Skpf.)	x
69	353 446 X1	0920053	Washer (5/16" Lock)	x
70	376 117 X1	0746813	Bolt (1/2 x 2-3/16" NF, Hex.)	x
71	353 439 X1		Washer (1/2" Lock)	x

Notes:
(A) - Used Engine Serial No. 29D 2381 and up.
(B) - Used Engine Serial No. 29A 4291 to 29D 2381.
(C) - Used prior to Engine Serial No. 29A 4291. Order 735 204 M1, 735 088 M1, 376 501 X1
(D) - Used Engine Serial No. 29A 4291 and up.
(E) - Used Engine Serial No. 29C 1084 to 29D 2381.
(F) - Used prior to Engine Serial No. 29C 1084.
(G) - Used prior to Engine Serial No. 29D 2381.
(H) - Used Engine Serial No. 2943736 to 29D 2381.
(I) - Used prior to Engine Serial No. 2943736.

LUBRICATION OIL FILTER



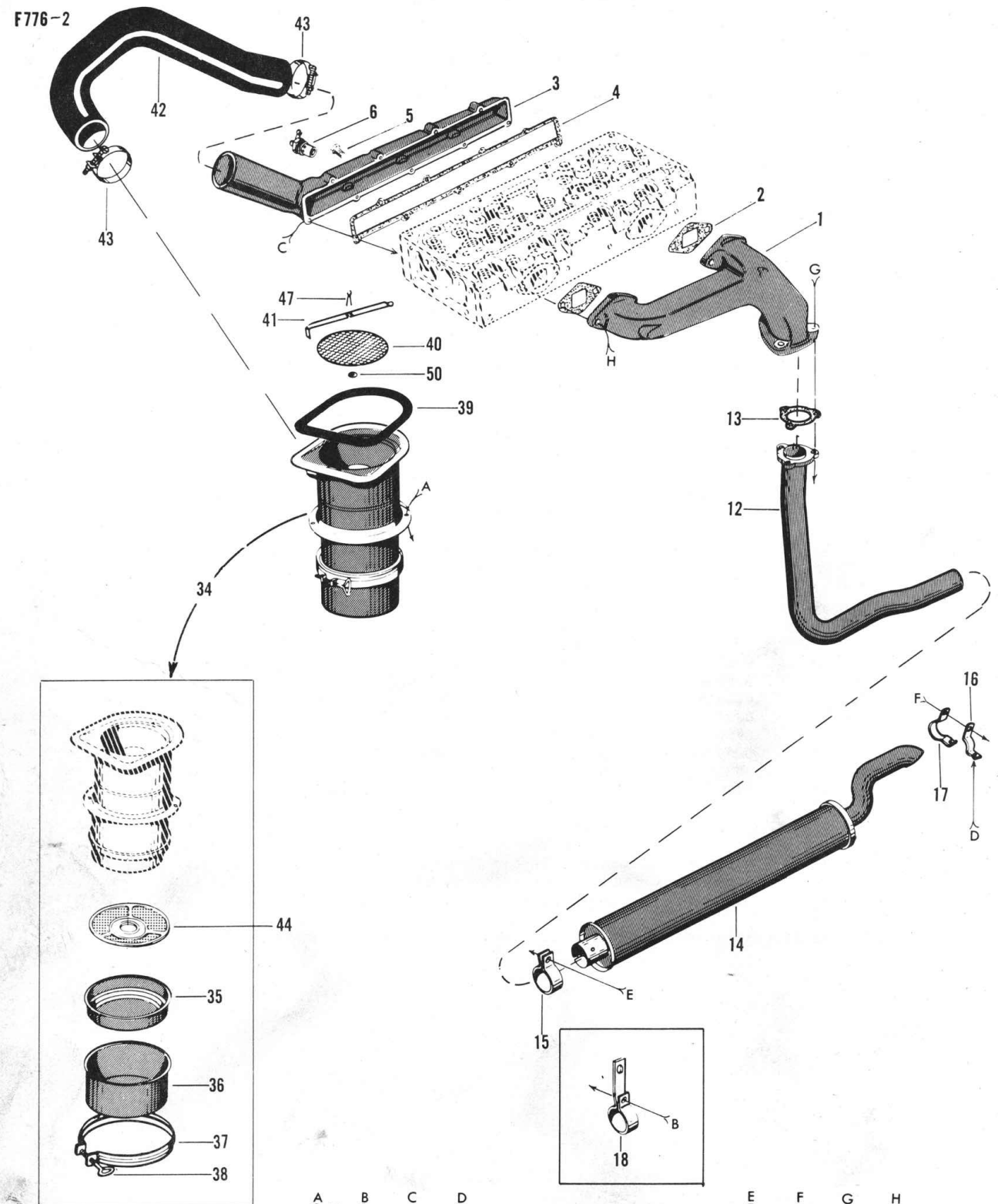
LUBRICATION OIL FILTERS

DIRECT INJECTION DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1 (A)	892 579 M91	2654156	Filter Assembly, Oil (AC Delco #7965083)	1
2			Cover Assembly, Filter (Order 892 579 M91)	1
3	1 851 815 M1	0490781	Gasket, Cover to Body	1
4	1 881 779 M1	0730103	Seal, Element, Upper	1
5	1 881 624 M91	26540141	Body Assembly, Filter	1
6	1 881 577 M1	26560004	Spring, Element	1
7	735 991 M1	26560009	Washer, Spring Seat	1
8	881 576 M1	26560010	Seal, Element, Lower	1
9	1 852 251 M91	35289	Element Assembly (Order 835 568 M92)	1
10	1 852 621 M1	0095292	Bolt, Cover to Body	1
11	1 852 622 M1	0921079	Washer, Cover Bolt	1
15 (A)	891 835 M91	35290	Filter Assembly, Oil (AC Delco #7961264) (Order 892 579 M91)	1
16			Cover Assembly, Filter (Order 892 579 M91)	1
17	1 851 815 M1	0490781	Gasket, Cover to Body	1
18	1 851 779 M1	0730103	Seal, Element, Upper	1
19	1 852 621 M1	0095292	Bolt, Cover to Body	1
20	1 852 622 M1	0921079	Washer, Cover Bolt	1
21	1 851 766 M1	32527	Element, Filter (Order 835 568 M92)	1
22	1 852 250 M91	26560043	Body Assembly	1
23	1 851 779 M1	0730103	Seal, Element, Lower	1
24	1 851 780 M1	0730104	Washer, Spring Seat	1
25	1 852 770 M1	26540022	Spring, Element	1
30 (A)	890 951 M91	30262	Filter Assembly, Oil (Tecalemit) (Order 892 579 M91)	1
31	1 851 811 M1	30269	Cover Assembly	1
32	1 851 814 M1	0490523	Seal, Element, Upper	1
33	1 851 815 M1	0490781	Gasket, Cover to Body	1
34	1 851 817 M1	0840073	Body, Filter	1
35			Element, Filter (Order 835 568 M92)	1
36	1 880 900 M91	0993986	Plate Assembly, Lower Seal	1
37	1 851 814 M1	0490523	Seal, Element, Lower	1
38	1 851 816 M1	0780181	Spring, Element	1
39	1 851 818 M1	0920958	Washer, Spring Seat (3/8 x 5/8 x 3/64")	1
40	1 851 819 M1	0920989	Washer, Felt (3/8 x 11/16 x 3/16")	1
41	1 851 824 M1	0999584	Bolt Assembly, Center	1
42	1 851 820 M1	0921342	Seal, Center Bolt (3/8 x 11/16 x 1/8")	1
43	1 851 813 M1	0170122	Ring, Snap, Center Bolt Retaining	1
45	835 568 M92		Element Kit (Incls. 3 Elements and 3 - 1 851 815 M1, Gaskets)	x
49	731 124 M1	0490514	Gasket, Filter to Block	1
50	354 511 X1	0096445	Bolt, Filter to Block (3/8 x 4-1/4" NF, Hex.)	2
51	353 434 X1	0920054	Washer (3/8" Lock)	2

Note: (A) - No Cutoff Available. Check Filter carefully before ordering repairs.

MANIFOLD, MUFFLER, AIR CLEANER



A	B	C	D
48	51	52	56
49	54	53	59
	55		60

E	F	G	H
57	58	62	63
59	59	65	64
61			65

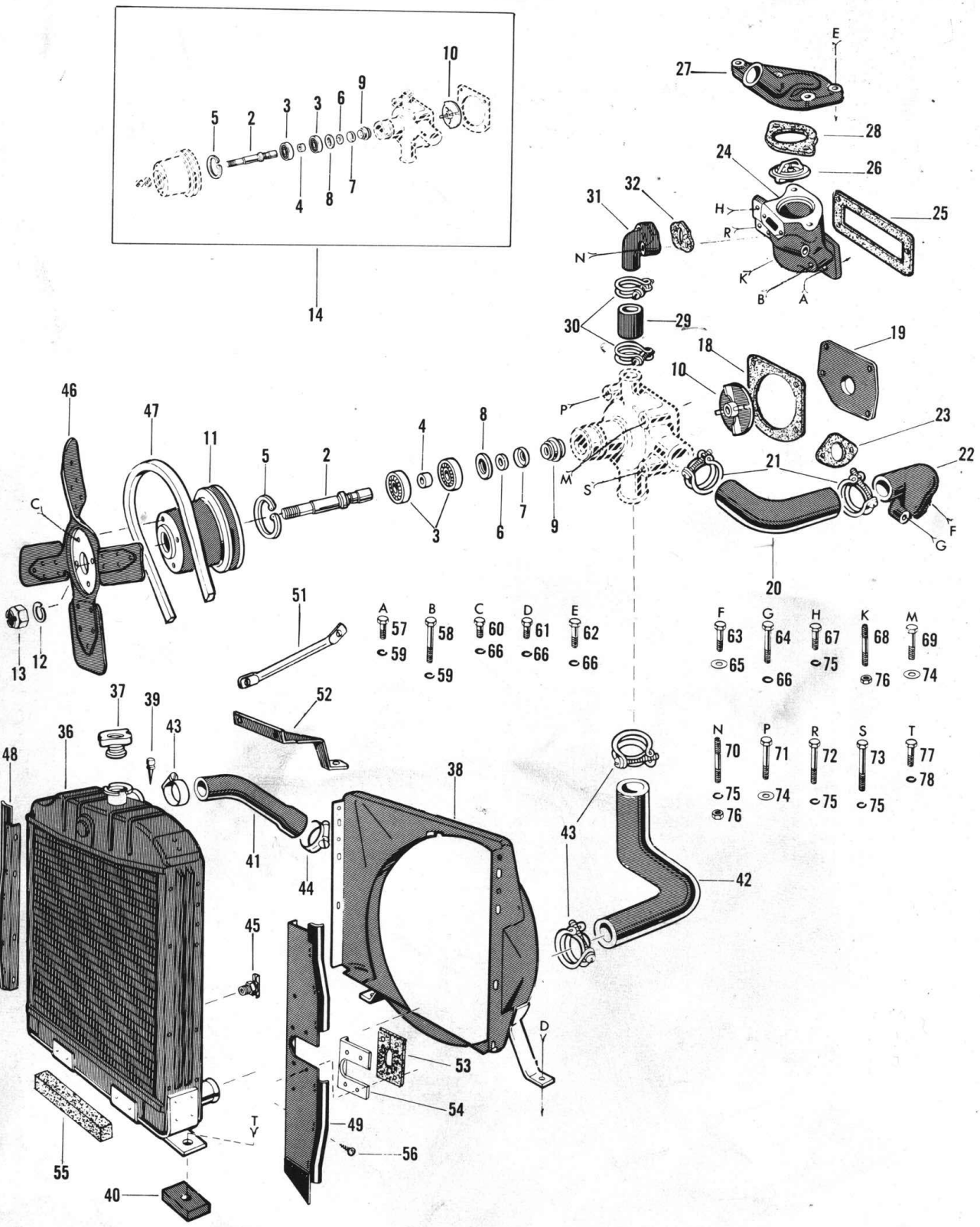
MANIFOLD, MUFFLER, AIR CLEANER

DIRECT INJECTION DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1	732 813 M1	37781721	Manifold, Exhaust	1
2	732 814 M1	36837409	Gasket, Exhaust Manifold	2
3	732 815 M1	37786241	Manifold, Intake	1
4	732 816 M1	36867116	Gasket, Intake Manifold	1
5	731 364 M1	0650204	Plug, Intake Manifold	1
6	893 501 M91	2666103	Heater Assembly, Manifold	1
12	828 194 M91		Pipe Assembly, Exhaust (Down)	1
13	827 877 M1		Gasket, Exhaust Pipe to Manifold	1
14	186 886 M91		Muffler Assembly	1
15	187 271 M1		Clamp, Exhaust Pipe to Muffler	1
16	186 884 M1		Clamp, Muffler, Top (Standard)	1
17	186 885 M1		Clamp, Muffler, Bottom (Standard)	1
18	187 174 M1		Bracket (Row Crop)	1
34	186 961 M92		Cleaner Assembly, Air	1
35	1 754 957 M1		Cup, Oil, Inner	1
36	1 754 994 M1		Cup, Oil, Outer	1
37	1 001 329 M91		Clamp Assembly, Oil Cup Retaining	1
38	1 010 459 M1		Bolt, Clamp	1
39	186 621 M2		Seal, Air Cleaner	1
40 (A)	182 661 M1		Screen, Air Cleaner	1
41 (A)	182 662 M2		Clip, Screen Retaining	1
42	188 050 M1		Hose, Manifold to Air Cleaner	1
43	364 127 X1		Clamp, Hose	2
44 (B)	193 642 M91		Screen, Air Cleaner	1
47 (A)	354 046 X1		Cotter Pin (3/32 x 1/2")	x
48	353 980 X1		Screw (#10 NC x 3/8" Rd. Hd.)	x
49	353 445 X1		Washer (#10 Lock)	x
50 (A)	353 753 X1		Washer (#10 Flat)	x
51	353 668 X1		Bolt (1/4 x 7/8" NC, Hex.)	x
52	353 509 X1	0746019	Bolt (1/4 x 1-1/2" NF, Hex.)	x
53	376 055 X1	2411151	Washer (17/64 x 3/8 x 3/64" Aluminum)	x
54	353 441 X1		Washer (1/4" Lock)	x
55	355 564 X1		Nut (1/4" NC, Hex.)	x
56	353 517 X1		Bolt (5/16 x 3/4" NF, Hex.)	x
57	353 680 X1		Bolt (5/16 x 1-1/8" NC, Hex.)	x
58	353 679 X1		Bolt (5/16 x 1" NC, Hex.)	x
59	353 446 X1		Washer (5/16" Lock)	x
60	353 916 X1		Nut (5/16" NF, Hex.)	x
61	355 565 X1		Nut (5/16" NC, Hex.)	x
62	731 863 M1	0826482	Stud (3/8" NF x 1-7/16")	x
63	731 326 M1	0825258	Stud (3/8" NF x 1-7/16")	x
64	375 785 X1	0920005	Washer (3/8 x 5/8 x 5/64")	x
65	375 718 X1		Nut (3/8" NF, Hex., Brass)	x

RADIATOR AND ATTACHING PARTS, WATER PUMP

F777-2



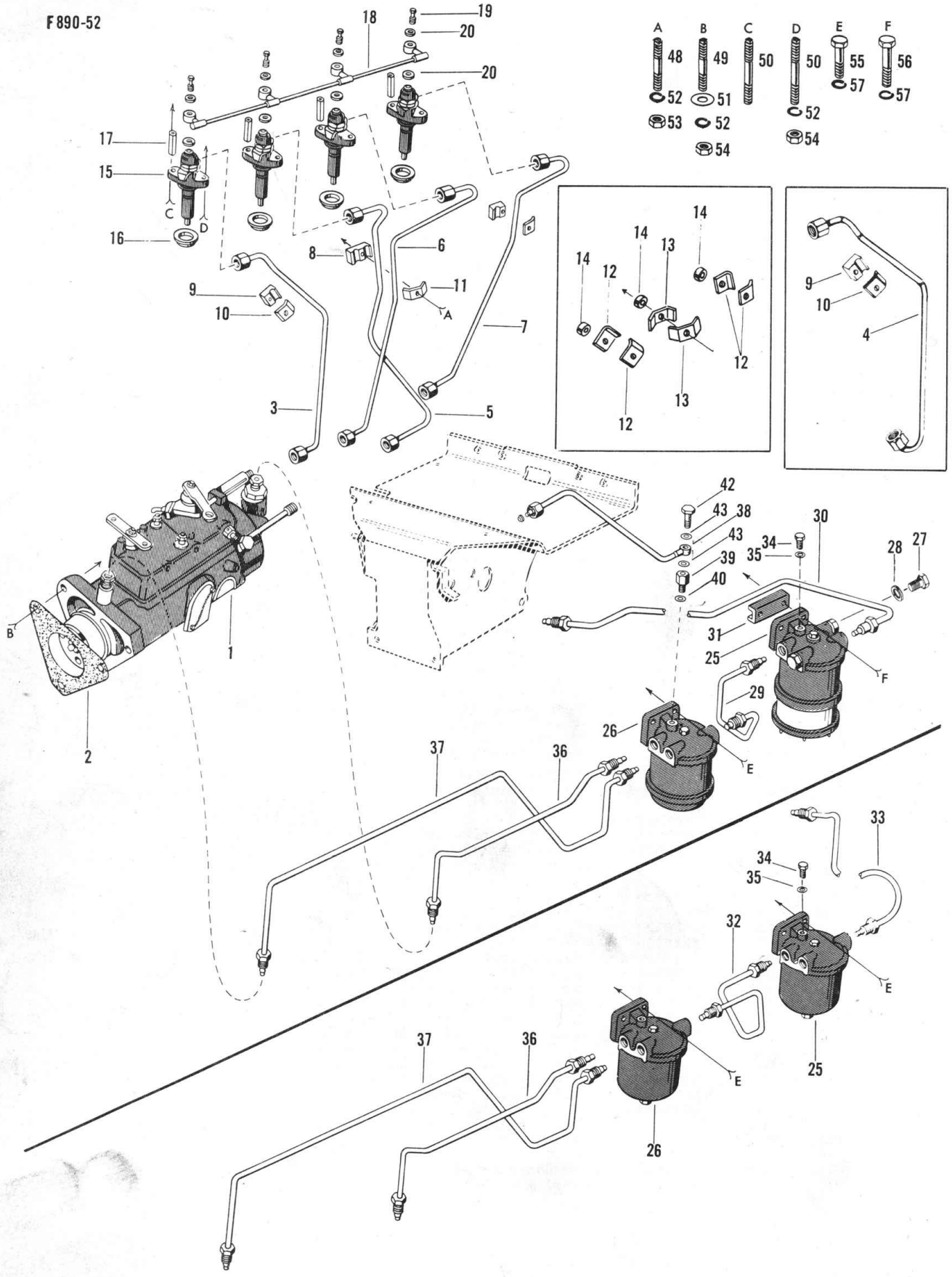
RADIATOR AND ATTACHING PARTS, WATER PUMP

DIRECT INJECTION DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
	731 807 M92	41312063	Pump Assembly, Water	1
2	731 806 M1	32753412	Shaft, Water Pump	1
3	1 851 748 M1	0040057	Bearing, Water Pump	2
4	731 168 M1	0330927	Spacer, Bearing	1
5	375 723 X1	0170046	Ring, Snap, Bearing Retaining	1
6	735 096 M1	33813114	Seal, Pump Bearing	1
7	731 169 M1	0380098	Housing, Felt Seal	1
8	731 171 M1	0380164	Retainer, Felt Seal	1
9	892 563 M1	2415209	Seal, Water Pump (Carbon)	1
10	731 172 M1	0460030	Impeller	1
11	731 805 M1	31146582	Pulley, Water Pump	1
12	353 758 X1	0920007	Washer, Pulley (1/2" Lock)	1
13	357 561 X1	0576103	Nut, Pulley (1/2" NF, Special)	1
14	732 591 M91	59140	Repair Kit, Water Pump	1
18	731 165 M1	0490690	Gasket, Pump to Back Plate	1
19	732 646 M1	37556123	Plate, Back, Water Pump	1
20	731 174 M1	0201562	Hose, to Cylinder Block Connection	1
21	832 713 M1	2481817	Clamp, Hose	2
22	732 637 M1	37736341	Connection, Hose (at Block)	1
23	731 052 M1	0490692	Gasket, Connection	1
24	731 132 M1	37766262	Body, Thermostat	1
25	731 131 M1	0490701	Gasket, Thermostat Body	1
26	~~890 991 M91~~	33873	Thermostat Assembly (1446223M91)	1
27	731 193 M1	0201364	Connection, Thermostat Body to Water Pump	1
28	731 133 M1	0390707	Gasket, Connection	1
29	731 136 M1	0200080	Hose, By-Pass	1
30	832 713 M1	0180107	Clamp, Hose	2
31	731 134 M1	0201390	Connection, Water Outlet	1
32	731 135 M1	0490702	Gasket, Water Outlet Connection	1
36	186 733 M91		Radiator Assembly	1
37	180 224 M91		Cap Assembly, Radiator	1
38	828 150 M2		Shroud Assembly, Radiator	1
39	180 673 M1		Bumper, Hood	1
40	182 318 M1		Pad, Radiator Bottom	2
41	186 654 M1		Hose, Radiator, Upper	1
42	187 554 M1		Hose, Radiator, Lower	1
43	832 713 M1		Clamp, Hose	3
44	364 126 X1		Clamp, Hose	1
45	763 716 M1		Cock, Drain, Radiator	1
46	189 670 M1		Fan Assembly	1
47	186 750 M2		Belt, Fan	1
48	182 447 M91		Seal Assembly, Radiator, Right Hand Side	1
49	190 900 M91		Seal Assembly, Radiator, Left Hand Side	1
51 (C)	193 504 M1		Rod, Radiator Support	1
52 (D)	186 729 M3		Bracket, Radiator Support	1
53	189 285 M1		Seal, Drag Link	1
54	189 284 M1		Plate, Drag Link Seal	1
55	190 688 M1		Pad, Radiator	1
56	195 448 M1		Screw (#10 x 3/8" Self-Tapping)	x
57	353 503 X1	0746053	Bolt (1/4 x 3/4" NF, Hex.)	x
58	354 491 X1	0096040	Bolt (1/4 x 2-1/2" NF, Hex.)	x
59	353 441 X1	0920052	Washer (1/4" Lock)	x
60	353 516 X1		Bolt (5/16 x 5/8" NF, Hex.)	x
61	353 676 X1		Bolt (5/16 x 5/8" NC, Hex.)	x
62	348 272 X1	0746258	Bolt (5/16 x 1-1/4" NF, Hex.)	x
63	353 522 X1	0096232	Bolt (5/16 x 1-3/8" NF, Hex.)	x
64	353 529 X1	0096237	Bolt (5/16 x 2-1/4" NF, Hex.)	x
65	353 731 X1	0920106	Washer (21/64 x 5/8 x 1/16")	x
66	353 446 X1	0920053	Washer (5/16" Lock)	x
67	353 538 X1	0746454	Bolt (3/8 x 1" NF, Hex.)	x
68	731 814 M1	0826478	Stud (3/8" NF x 1-3/8")	x
69	375 726 X1	0746460	Bolt (3/8 x 1-7/8" NF, Hex.)	x
70	732 569 M1	0826477	Stud (3/8" NF x 2")	x
71	353 547 X1	0096437	Bolt (3/8 x 2-1/8" NF, Hex.)	x
72	353 550 X1	0096439	Bolt (3/8 x 2-1/2" NF, Hex.)	x
73	353 554 X1	0096441	Bolt (3/8 x 3" NF, Hex.)	x
74	375 728 X1	0920109	Washer (25/64 x 11/16 x 1/16")	x
75	353 434 X1	0920054	Washer (3/8" Lock)	x
76	353 431 X1	0576051	Nut (3/8" NF, Hex.)	x
77	353 698 X1		Bolt (7/16 x 1" NC, Hex.)	x
78	353 432 X1		Washer (7/16" Lock)	x

Notes: (C) - Used Tractor Serial No. 699844 and up.
(D) - Used prior to Tractor Serial No. 699844.

DIESEL INJECTION SYSTEM



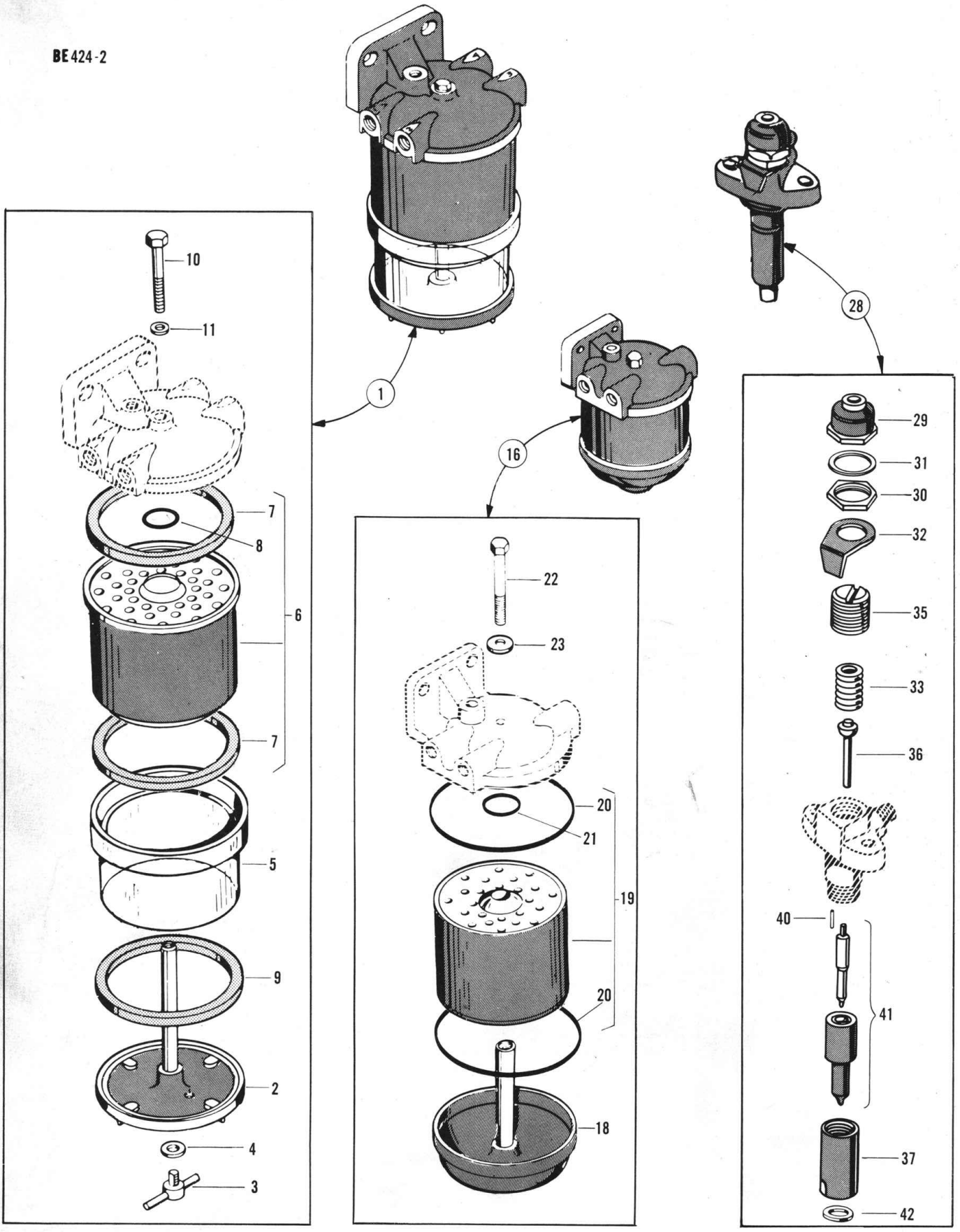
DIRECT INJECTION DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1			Pump Assembly, Injection (See Page 93)	1
2	731 176 M1	0490685	Gasket, Injection Pump to Timing Gear Housing	1
3 (A)	734 194 M91	35354234	Line Assembly, Injection Pump to No. 1 Cylinder	1
4 (B)	732 900 M91	35354201	Line Assembly, Injection Pump to No. 1 Cylinder	1
5	732 899 M91	35354202	Line Assembly, Injection Pump to No. 2 Cylinder	1
6	732 898 M91	35354203	Line Assembly, Injection Pump to No. 3 Cylinder	1
7	735 308 M91	35354204	Line Assembly, Injection Pump to No. 4 Cylinder	1
8 (C)	733 516 M1	36854103	Clip, Fuel Injection Lines (Center, Inside)	1
9 (C)	733 517 M1	36854104	Clip, Fuel Injection Lines (Ends, Inside)	2
10 (C)	732 913 M1	36474128	Clip, Fuel Injection Lines (Ends, Outside)	2
11 (C)	732 914 M1	36516119	Clip, Fuel Injection Lines (Center, Outside)	1
12 (D)	733 300 M1	36518117	Clip, Fuel Injection Lines (#1 and #4 Lines)	4
13 (D)	732 914 M1	36516119	Clip, Fuel Injection Lines (#2 and #3 Lines)	2
14 (D)	733 299 M1	0330585	Spacer, Fuel Injection Line Clips	3
15	733 272 M91	2646189	Nozzle Assembly, Injector (See Page 89)	4
16	732 824 M1	33817114	Shield, Dust, Injector Nozzle	4
17	732 636 M1	32726512	Nut, Injection Nozzle	4
18	733 029 M91	35587323	Line Assembly, Leak-off	1
19	731 567 M1	0095315	Bolt, Leak-off Line	4
20	376 518 X1	0921176	Washer, Leak-off Line Bolt	8
25			Filter Assembly, Primary (See Page 89)	1
26			Filter Assembly, Secondary (See Page 89)	1
27	731 364 M1	0650204	Plug, Filter	2
28	194 625 M1		Washer, Filter Plug	2
29 (E)	193 242 M2		Line Assembly, Primary to Secondary Filter	1
30 (E)	193 240 M2		Line Assembly, Fuel Pump to Primary Filter	1
31 (E)	193 244 M1		Spacer, Primary Filter to Battery Platform	1
32 (F)	191 148 M91		Line Assembly, Primary to Secondary Filter	1
33 (F)	191 154 M91		Line Assembly, Fuel Pump to Primary Filter	1
34	376 101 X1		Plug, Primary Filter, Top	1
35	194 626 M1		Washer, Primary Filter Plug	1
36	892 317 M92		Line Assembly, Secondary Filter to Injection Pump	1
37	892 319 M91		Line Assembly, Injection Pump to Secondary Filter	1
38	191 168 M91		Line Assembly, Leak-off, Secondary Filter to Injection Nozzle Line	1
39	890 972 M91		Valve Assembly, Non-Return	1
40	375 794 X1		Washer, Non-Return Valve (Metal)	1
42	731 352 M1		Bolt, Filter Leak-off Line (Banjo Type)	1
43	731 353 M1		Washer, Leak-off Bolt (13/32 x 19/32 x 3/4" Fiber)	2
48	733 052 M1	0826017	Stud (5/16" NC x 1-1/2")	x
49	731 371 M1	0827619	Stud (5/16" NC-NF x 1-1/2")	x
50	733 053 M1	0826264	Stud (5/16" NF x 2")	x
51	353 770 X1	0920003	Washer (Heavy Flat)	x
52	353 446 X1	0920053	Washer (5/16" Lock)	x
53	376 240 X1	0576301	Nut (5/16" NC, Hex.)	x
54	353 916 X1	0576002	Nut (5/16" NF, Hex.)	x
55	353 539 X1		Bolt (3/8 x 1-1/8" NF, Hex.)	x
56	353 543 X1		Bolt (3/8 x 1-5/8" NF, Hex.)	x
57	353 434 X1		Washer (3/8" Lock)	x

Notes: (A) - Used Engine Serial No. 292 1733 and up.
(B) - Used prior to Engine Serial No. 292 1733.
(C) - Used Engine Serial No. 290 1249 and up.
(D) - Used prior to Engine Serial No. 290 1249.
(E) - Used Tractor Serial No. 697565 and up.
(F) - Used prior to Tractor Serial No. 697565.

FUEL FILTERS

BE 424-2



FUEL FILTERS

DIRECT INJECTION DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1 (A)	193 229 M91	2656612	Filter Assembly, Primary	1
2 (C)	1 026 560 M91		Base Assembly (For Transparent Bowl)	1
2 (C)	1 024 061 M91		Base Assembly (For Metal Bowl)	1
3 (C)	1 024 756 M1		Drain, Bowl (For 1 024 755 M91 Base)	1
3 (C)	1 024 062 M1		Drain, Bowl (For 1 024 061 M91 Base)	1
4	1 024 063 M1	26560067	Washer, Drain Plug	1
5 (C)	1 024 386 M1		Bowl, Filter (Transparent)	1
5 (C)			Bowl, Filter (Metal) (Order 1 - 1 024 755 M91, 1 - 1 024 756 M1 and 1 - 1 024 386 M1)	1
6	1 851 890 M1	26560017	Element Kit	1
7	1 851 891 M1	0490786	Seal, Element (Large)	2
8	1 851 887 M1	26560014	Seal, Element (Small) (In Head)	1
9	1 851 891 M1	0490786	Seal, Base	1
10	1 024 060 M1	26560053	Bolt, Center (Head Retaining)	1
11	1 851 889 M1	26560016	Washer, Center Bolt	1
16 (B)	890 976 M91	2656621	Filter Assembly, Secondary (See Note)	1
18	891 797 M91	26560039	Base Assembly, Filter	1
19	1 851 890 M1	26560017	Element Kit	1
20	1 851 891 M1	0490786	Seal, Element (Large)	2
21	1 851 887 M1	26560014	Seal, Element (Small) (In Head)	1
22	1 024 060 M1	26560053	Bolt, Head to Base	1
23	1 851 889 M1	26560016	Washer, Head Bolt	1

INJECTOR NOZZLES

DIRECT INJECTION DIESEL

28	733 272 M91	2646189	Nozzle Assembly, Injector	4
29	1 019 666 M1		Cap, Injector Nozzle	1
30	1 019 665 M1		Nut, Lock, Nozzle Cap	1
31	1 009 832 M1		Washer, Lock Nut to Cap	1
32	1 028 289 M1		Washer, Tab (Pressure Indicating)	1
33	1 015 215 M1		Spring, Pressure	1
35	1 019 664 M1		Screw, Pressure Spring Adjusting	1
36	1 019 663 M1		Spindle	1
37	1 019 662 M1		Nut, Nozzle Holder	1
40	1 014 945 M1		Pin, Nozzle Locating	2
41	~~1 852 491 M1~~	2646673	Nozzle Assembly, Injector (Atomizer) 1 253 019 M91	1
42	376 091 X1	0921173	Washer, Injector Nozzle Seat	1

Notes: (A) - Used Tractor Serial No. 697565 and up.
(B) - Used as Primary Filter prior to Tractor Serial No. 697565.
(C) - Filter 193 229 M91 may be equipped w/Metal or Transparent Bowl; The Metal Bowl is not available for Repairs. Please check Filter and Listing carefully before ordering Repairs.

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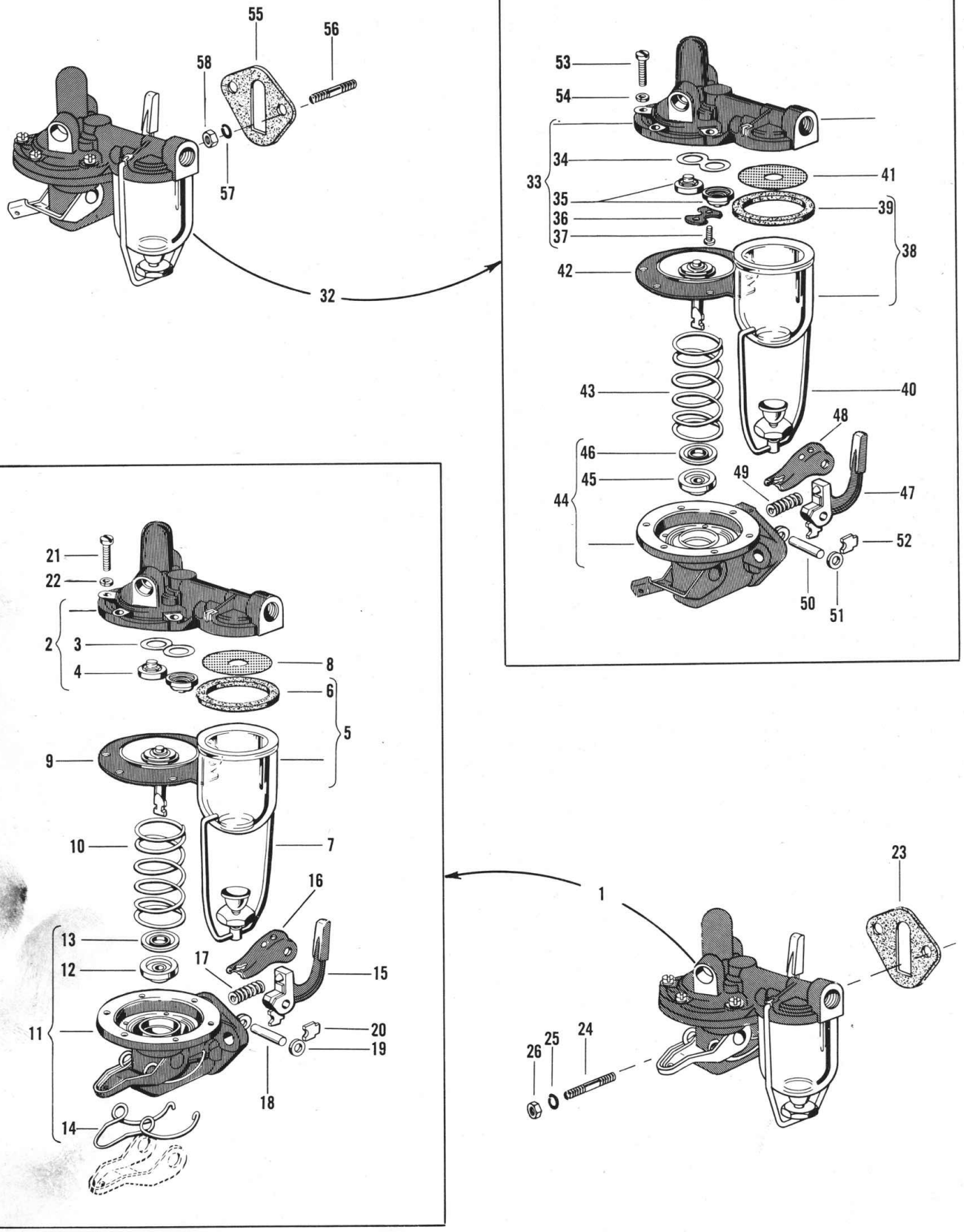
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FUEL LIFT PUMP

(DIESEL)

Ref. No.		MF Numbers	Perkins No.	Description	No. Req.
1	(A)	892 630 M91	2641345	Pump Assembly, Fuel Lift	1
2		1 883 235 M91	26410053	Housing Assembly	1
3				Gasket, Valve to Housing	2
4				Valve, Inlet and Outlet.	2
5		1 004 498 M91	5590156	Bowl Assembly, Sediment (Glass)	1
6	(C)	1 004 496 M1	1537716	Gasket, Bowl to Housing	1
7		1 650 038 M1	30428	Bail Assembly, Bowl Retaining	1
8	(C)	1 851 786 M1	0800044	Filter, Screen	1
9	(C)	1 852 844 M91	2641491	Diaphragm Assembly	1
10		1 851 782 M1	0780224	Spring, Diaphragm	1
11		1 883 234 M91	26410047	Body Assembly	1
12	(C)	1 851 781 M1	0730128	Seal, Oil	1
13	(C)	1 851 791 M1	0997129	Retainer, Oil Seal	1
14		1 852 045 M1		Spring, Primer Lever	1
15		1 851 776 M1	0520528	Arm, Rocker	1
16	(C)	1 852 322 M1	0520580	Lever, Diaphragm	1
17	(C)	1 851 783 M1	0780225	Spring, Rocker Arm	1
18	(C)	1 850 827 M1	0610847	Pin, Pivot, Arm and Lever	1
19	(C)	1 851 788 M1	0921019	Washer, Pivot Pin	2
20	(C)	1 852 029 M1	26410006	Retainer, Pivot Pin	2
21		1 850 330 M1	0720709	Screw, Housing to Body	6
22		827 467 M1	0921018	Washer, Lock	6
23	(C)	733 479 M1	36862126	Gasket, Pump to Block	1
24	(A)	734 560 M1	0826251	Stud, Pump Attaching (5/16" NF x 1-7/16")	2
25		353 446 X1	0920053	Washer (5/16" Lock)	2
26		353 916 X1	33221115	Nut (5/16" NF, Hex.)	2
32	(B)	890 955 M91	32589	Pump Assembly, Fuel Lift (Order 1 - 892 630 M91 and 1 - 734 560 M1)	1
33				Housing Assembly (Order 1 883 235 M91)	1
34	(C)	1 850 333 M1	0490559	Gasket, Valve to Housing	1
35	(C)	827 699 M91	32517	Valve Assembly, Inlet and Outlet	2
36		1 850 332 M1	0910058	Retainer, Valve	1
37		1 850 334 M1	0720708	Screw, Retainer to Housing	2
38		1 004 498 M91	5590156	Bowl Assembly, Sediment (Glass)	1
39	(C)	1 004 496 M1	1537716	Gasket, Bowl to Housing	1
40		1 650 038 M1	30428	Bail Assembly, Bowl Retaining	1
41	(C)	1 851 786 M1	0800044	Filter, Screen	1
42	(C)	1 852 844 M91	2641491	Diaphragm Assembly	1
43		1 851 782 M1	0780224	Spring, Diaphragm	1
44		1 851 770 M1	32573	Body Assembly (Order 1 883 234 M91)	1
45	(C)	1 851 781 M1	0730128	Seal, Oil	1
46	(C)	1 851 791 M1	0997129	Retainer, Oil Seal	1
47		1 851 776 M1	0520528	Arm, Rocker	1
48	(C)	1 852 322 M1	0520580	Lever, Diaphragm	1
49	(C)	1 851 783 M1	0780225	Spring, Rocker Arm	1
50	(C)	1 850 827 M1	0610847	Pin, Pivot, Arm and Lever	1
51	(C)	1 851 788 M1	0921019	Washer, Pivot Pin	2
52	(C)	1 852 029 M1	26410006	Retainer, Pivot Pin	2
53		1 850 330 M1	0720709	Screw, Housing to Body	6
54		827 467 M1	0921018	Washer, Lock	6
55	(C)	733 479 M1	36862126	Gasket, Pump to Block	1
56	(B)	731 305 M1	0826222	Stud, Pump to Block (5/16" NF x 1")	2
57		353 446 X1	0920053	Washer (5/16" Lock)	2
58		353 916 X1	33221115	Nut (5/16" NF, Hex.)	2
		702 279 M1		Bowl, Sediment (Metal) (Special Equipment)	1
		1 882 944 M91		Repair Kit, Fuel Pump (Incls. Items marked "C")	1

Notes: (A) - Used Engine Serial No. 296 1654 and up.
(B) - Used prior to Engine Serial No. 296 1654.

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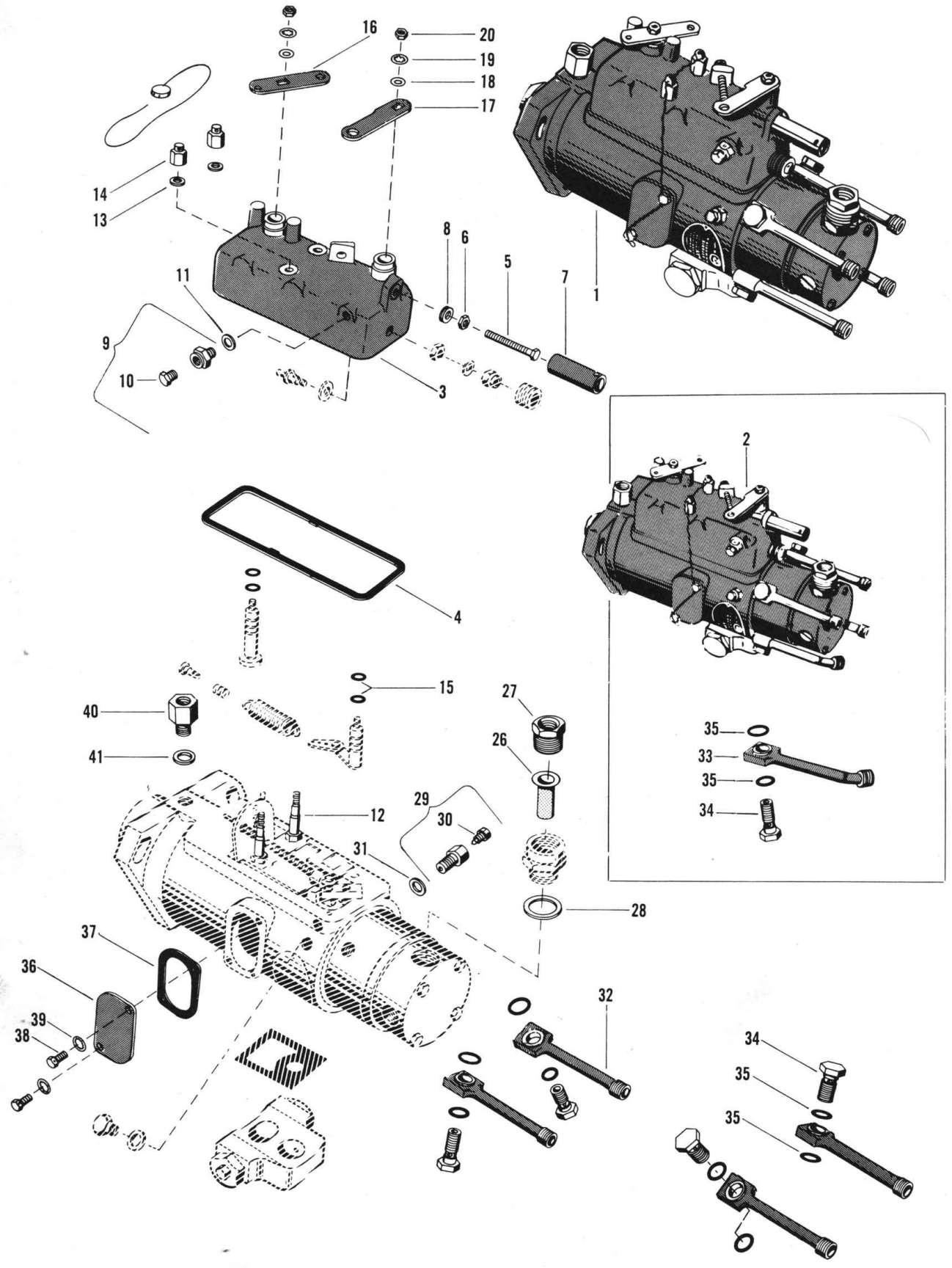
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INJECTION PUMP

DIRECT INJECTION DIESEL

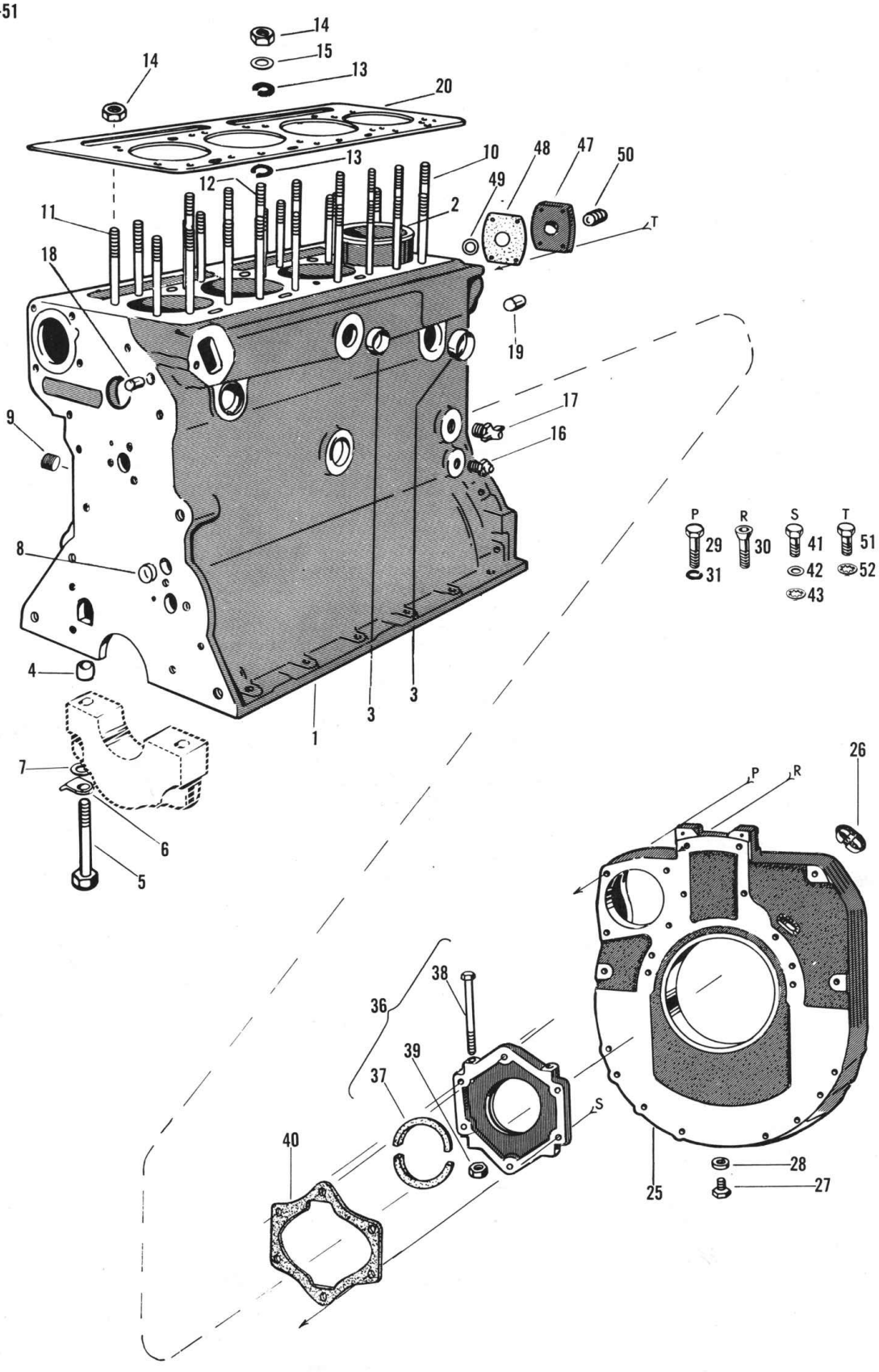
SEE PAGES XII THRU XV FOR CERTIFIED C.A.V. SERVICE STATIONS

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.	
1 (A)	894 143 M91	36311	Pump Assembly, Injection (DPA 3240698)	1	-
2 (B)	893 131 M91	36094	Pump Assembly, Injection (DPA 3240458) (Order 1 - 894 143 M91 and 1 - 734 194 M91)	-	1
3	1 021 405 M1		Cover, Injection Pump Control	1	1
4	1 851 882 M1		Gasket, Injection Pump Control Cover	1	1
5	1 851 875 M1		Screw, Adjusting, Throttle Control	1	1
6	1 851 854 M1		Nut, Lock, Adjusting Screw	1	1
7	1 028 086 M1		Sleeve, Adjusting Screw Cover	1	1
8	1 028 650 M1		Lock, Adjusting Screw Sleeve	1	1
9	1 028 087 M91		Vent Assembly, Cover	1	1
10	1 026 231 M1		Screw, Cover Vent	1	1
11	1 028 088 M1		Washer, Cover Vent Screw	1	1
12	1 851 879 M1		Stud, Cover Retaining	2	2
13	1 851 881 M1		Washer, Cover Stud	2	2
14	1 851 880 M1		Nut, Cover Stud	2	2
15	1 851 855 M1		"O" Ring, Pump Shaft	4	4
16	731 175 M1		Lever, Fuel Shut-off	1	1
17	1 021 404 M1		Lever, Throttle Control	1	1
18	1 012 685 M1		Washer, Pump Levers (Plain)	2	2
19	22 427 X		Washer, Pump Levers (Skpf.)	2	2
20	1 851 854 M1		Nut, Pump Levers Retaining	2	2
26	1 851 866 M1		Filter, Fuel Inlet	1	1
27	1 851 865 M1		Connection, Fuel Inlet	1	1
28	1 851 852 M1		Washer, Fuel Inlet Connection	1	1
29	1 028 496 M91		Vent Assembly, Head	1	1
30	1 026 231 M1		Screw, Head Vent	1	1
31	1 026 505 M1		Washer, Head Vent Screw	1	1
32	1 851 944 M1		Connection, Fuel Lines (Straight)	4	3
33	1 021 403 M1		Connection, Fuel Lines (Curved)	-	1
34	1 851 853 M1		Bolt, Fuel Line Connector (Banjo Type)	4	4
35	1 851 871 M1		Washer, Fuel Line Connector Bolt	8	8
36	1 851 858 M1		Cover, Pump Inspection	1	1
37	1 851 859 M1		Gasket, Pump Inspection Cover	1	1
38	1 851 860 M1		Screw, Pump Inspection Cover Retaining	2	2
39	22 427 X		Washer, Pump Inspection Cover Screw	2	2
40	1 851 857 M1		Connection, Fuel Outlet	1	1
41	1 851 871 M1		Washer, Fuel Outlet Connection	1	1

Notes: (A) - Used Engine Serial No. 2921733 and up.
(B) - Used prior to Engine Serial No. 2921733.

CYLINDER BLOCK AND ATTACHING PARTS

F477-51



CYLINDER BLOCK AND ATTACHING PARTS

REGULAR DIESEL W/CAST IRON LINERS

(USED ENGINE SERIAL NO. 282 0092 AND UP)

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
	734 678 M91	82125	Block Assembly, Cylinder, Short (Incl. Crankshaft and Bearings, Connecting Rods and Bearings and Piston Assembly)	1
1	734 677 M91	82230	Block Assembly, Cylinder, Stripped (Incl. Bearing Caps)	1
2	734 175 M1	31358322	Liner, Cylinder Block (Piston Sleeve)	4
3	731 354 M1	0650710	Plug (1-1/4" Cup Type)	9
4	731 022 M1	0870001	Dowel, Locating, Main Bearing Cap	10
5	375 722 X1	0745105	Bolt, Bearing Caps (9/16 x 3-7/8" NF, Hex.)	10
6	731 023 M1	0921108	Lock, Bearing Cap Bolts (Tab Lock)	10
7	733 928 M1	33117118	Shim, Bearing Cap Bolts (19/32 x 7/8 x .020")	10
8	731 356 M1	0650566	Plug (11/16" Cup Type)	2
9	731 433 M1	0650738	Plug (1/2" NF, Phillips Hd.)	2
10	734 307 M1	32754415	Stud, Cylinder Head (7/16 - 3/8" NF x 5-7/8")	8
11	734 309 M1	32524133	Stud, Cylinder Head (7/16" NF x 3-11/16")	10
12	734 310 M1	32524134	Stud, Cylinder Head (7/16" NF x 3-13/16")	1
13	732 480 M1	2726194	Ring, Grip	2
14	353 426 X1	0576054	Nut, Cylinder Head Stud (7/16" NF, Hex.)	19
15	375 712 X1	0920006	Washer, Center Stud (7/16 x 7/8 x 3/32")	1
16	731 054 M1	0201396	Connector, Oil Pressure Line	1
17	1 851 764 M1	31419	Cock, Drain, Cylinder Block	1
18	731 712 M1	0350015	Dowel, Timing Gear Housing to Block (3/8 x 9/16")	1
19	1 260 A	0350016	Dowel, Adapter Plate to Block (3/8 x 3/4")	2
20	731 011 M2	36812125	Gasket, Cylinder Head	1
25	733 594 M1	37147802	Plate, Transmission Housing Adapter	1
26	732 902 M1	37813113	Plug, Timing Hole, Adapter Plate	1
27	734 964 M91	41374416	Plug, Adapter Plate, Bottom (3/8 x 9/32" NF, Hex.)	1
28	1 650 338 M1	0920155	Washer, Plug (25/64 x 35/64 x 5/64" Copper)	1
29	353 538 X1	0746454	Bolt (3/8 x 1" NF, Hex.)	6
30	358 005 X1	0720798	Screw (3/8 x 1" NF, Sckt. Hd.)	2
31	353 434 X1	0920054	Washer (3/8" Lock)	6
36	731 679 M91	54361	Cover Assembly, Rear Oil Seal	1
37	735 866 M1	36883106	Seal, Oil, Rear	2
38	354 499 X1	0096243	Bolt, Clamp (5/16 x 3-3/4" NF, Hex.)	2
39	376 096 X1	0574211	Nut, Clamp Bolt (5/16" NF, Hex., Special)	2
40	734 664 M1	36817134	Gasket, Rear Oil Seal Cover	1
41	375 733 X1	0746354	Bolt, Rear Oil Seal Cover (5/16 x 11/16" NF, Hex.)	6
42	734 638 M1	33114118	Shim, Cover Bolt (21/64 x 5/8 x .010")	6
43	22 756 X	0920299	Washer, Cover Bolt (5/16" Int. Skpf.)	6
47	731 050 M1	0440551	Housing, Tractormeter Drive	1
48	731 051 M1	0490699	Gasket, Drive Housing	1
49	636 762 M1	30854	Seal, Oil (7/8 x 1-3/8 x 1/4")	1
50	735 889 M1	0201361	Connector, Tractormeter Drive	1
51	353 518 X1	0746255	Bolt (5/16 x 7/8" NF, Hex.)	4
52	22 756 X	0920299	Washer (5/16" Int. Skpf.)	4

CYLINDER BLOCK AND ATTACHING PARTS

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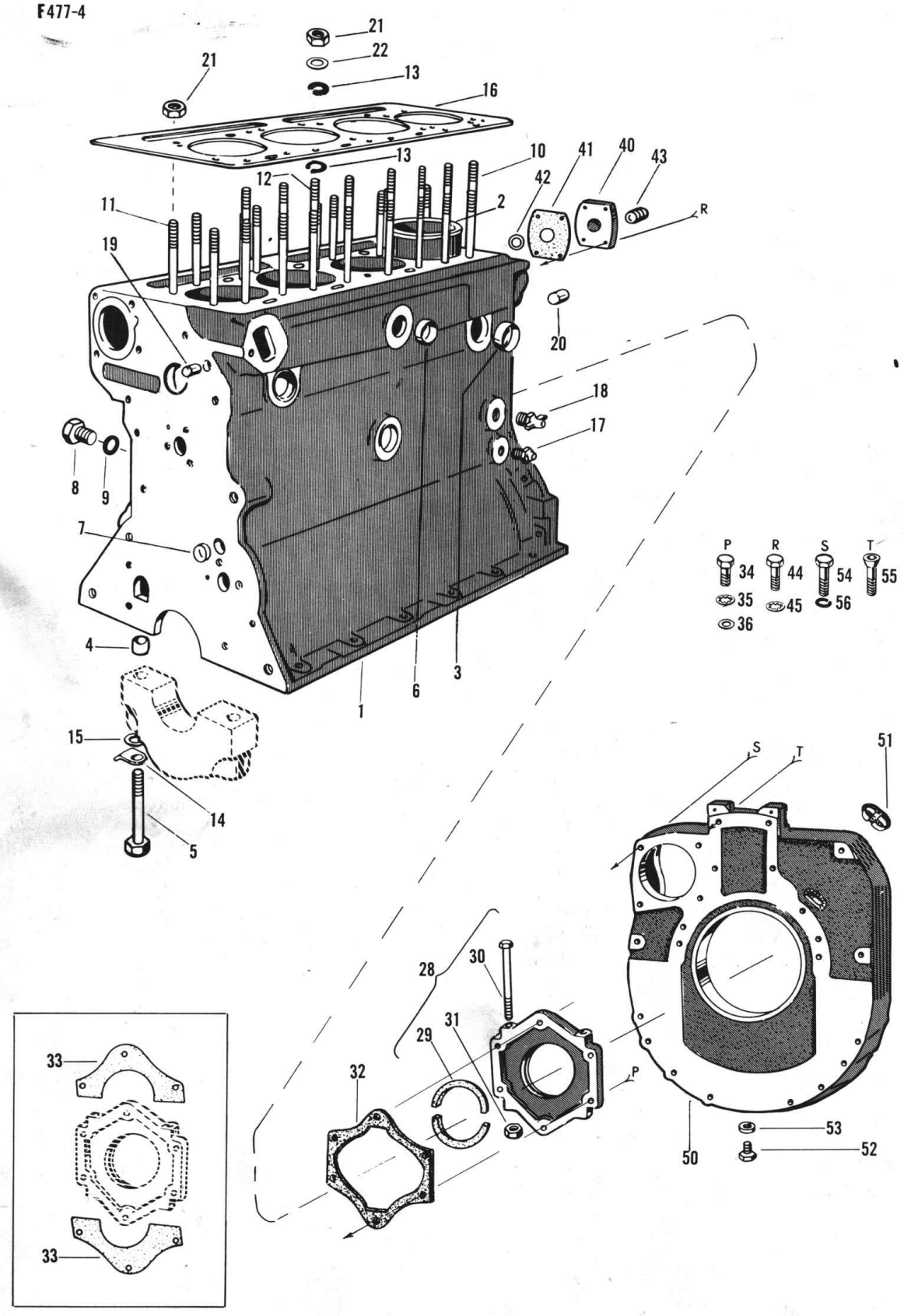

CYLINDER BLOCK AND ATTACHING PARTS

REGULAR DIESEL W/CHROME LINERS

(USED PRIOR TO ENGINE SERIAL NO. 282 0092)

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
	731 696 M91	58253	Block Assembly, Cylinder, Short (Incl. Crankshaft and Bearings, Connecting Rods and Bearings and Piston Assembly) (Order 734 678 M91)	1
1 (E)	733 244 M91	58122	Block Assembly, Cylinder, Stripped (Incl. Bearing Caps)	1
2	732 638 M1	31358308	Liner, Cylinder Block (Piston Sleeve)	4
3	731 354 M1	0650710	Plug (1-1/4" Cup Type)	9
4	731 022 M1	0870001	Dowel, Locating, Main Bearing Cap	10
5	375 722 X1	0745105	Bolt, Bearing Caps (9/16 x 3-7/8" NF, Hex.)	10
6 (A)	731 355 M1	0650692	Plug (7/8" Cup Type)	1
7	731 356 M1	0650566	Plug (11/16" Cup Type)	2
8	731 357 M1	0746812	Plug (1/2 x 7/8" NF, Hex.) (Order 731 433 M1)	2
9	375 705 X1	0920112	Washer, Plug (33/64 x 23/32 x 3/64" Copper)	2
10	731 366 M1	32754411	Stud, Cylinder Head (7/16" NF x 5-11/16")	8
11	733 158 M1	0826624	Stud, Cylinder Head (7/16" NF x 4-1/8")	10
12	732 471 M1	0826622	Stud, Cylinder Head (7/16" NF x 4-1/2") (Adapted for Grip Rings)	1
12	731 299 M1	32761108	Stud, Cylinder Head (7/16" NF x 4-1/2") (Not adapted for Grip Rings) (Order 1 - 732 471 M1 & 2 - 732 480 M1)	1
13	732 480 M1	2726194	Ring, Grip, Center Cylinder Head Stud	2
14	731 023 M1	0921108	Lock, Bearing Cap Bolts (Tab Lock)	10
15 (C)	733 928 M1	33117118	Shim, Bearing Cap Bolts	10
16	731 011 M2	36812125	Gasket, Cylinder Head	1
17	731 054 M1	0201396	Connector, Oil Pressure Line	1
18	1 851 764 M1	31419	Cock, Drain, Cylinder Block	1
19	731 312 M1	0350015	Dowel, Timing Gear Housing to Block (3/8 x 9/16")	1
20	1 260 A	0350016	Dowel, Adapter Plate to Block (3/8 x 3/4")	2
21	353 426 X1	0576054	Nut, Cylinder Head Studs (7/16" NF, Hex.)	19
22	375 712 X1	0920006	Washer, Center Stud (7/16 x 7/8 x 3/32")	1
28	731 679 M91	54361	Cover Assembly, Rear Oil Seal	1
29	735 866 M1	36883106	Seal, Oil, Rear	2
30	354 499 X1	0096243	Bolt, Clamp (5/16 x 3-3/4" NF, Hex.)	2
31	376 096 X1	0574211	Nut, Clamp Bolt (5/16" NF, Special)	2
32 (D)	734 664 M1	36817134	Gasket, Rear Oil Seal Cover (1 Piece Gasket)	1
33 (D)	731 025 M1	0490628	Gasket, Rear Oil Seal Cover (2 Piece Gasket) (Order 1 - 734 664 M1)	2
34	375 733 X1	0746354	Bolt, Cover (5/16 x 11/16" NF, Hex.)	6
35	353 518 X1	0746255	Washer (5/16" Int. Skpf.)	6
36	734 628 M1	33114118	Shim, Cover Bolt	6
40	731 050 M1	0440551	Housing, Tractormeter Drive	1
41	731 051 M1	0490699	Gasket, Drive Housing	1
42	636 762 M1	30854	Seal, Oil (7/8 x 1-3/8 x 1/4")	1
43	735 889 M1	0201361	Connector, Tractormeter Drive	1
44	353 518 X1	0746255	Bolt, Drive Housing (5/16 x 7/8" NF, Hex.)	4
45	22 756 X	0920299	Washer (5/16" Int. Skpf.)	4
50	733 594 M1	37147802	Plate, Transmission Housing Adapter	1
51	732 902 M1	37813113	Plug, Timing Hole, Adapter Plate	1
52	731 391 M1	0650205	Plug, Adapter Plate, Bottom (3/8 x 9/32" NF, Hex.)	1
53	1 650 338 M1	0920155	Washer, Plug (25/64 x 35/64 x 5/64" Copper)	1
54	353 538 X1	0746454	Bolt (3/8 x 1" NF, Hex.)	6
55	358 005 X1	0720798	Screw (3/8 x 1" NF, Sckt. Hd.)	2
56	353 434 X1	0920054	Washer (3/8" Lock)	6

Notes: (A) - Used prior to Engine Serial No. 282 0012.
(C) - Used Engine Serial No. 282 0092 and up
(D) - No Cut-Off available.
(E) - For Repairs order (1) 734 677 M91 (4) 734 459 M91 (1) 734 310 M1 (10) 734 309 M1 (8) 734 307 M1 (2) 732 480 M1 and (19) 376 151 X1.

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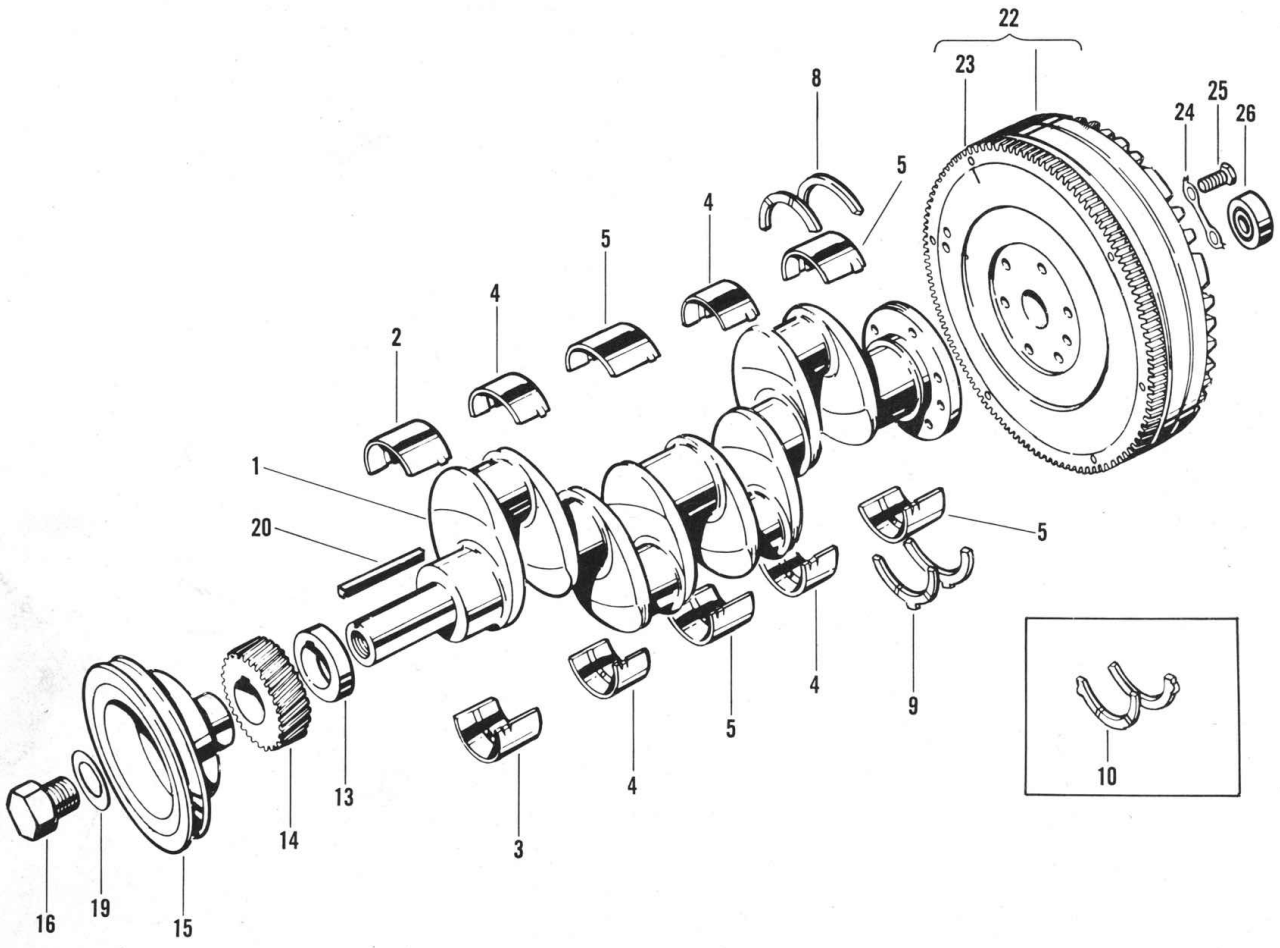
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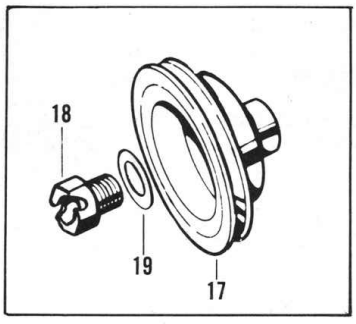
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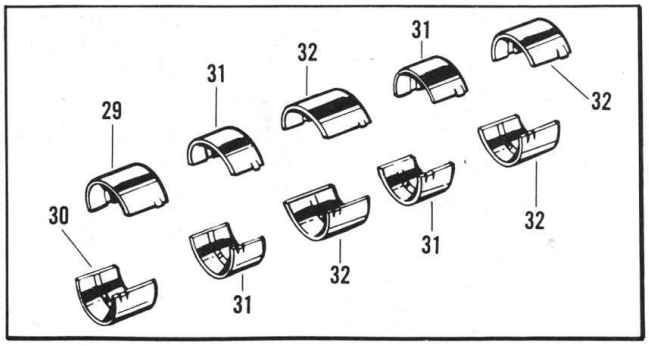
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CRANKSHAFT AND BEARINGS, FLYWHEEL

REGULAR DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1 (A)	736 186 M1	31315144	Crankshaft (See Note A)	1
2 (B)	732 432 M1	31122321	Insert, Main Bearing, Front, Top (Std.)(1.295 to 1.305" Wide)	1
3 (B)	732 431 M1	31122311	Insert, Main Bearing, Front, Bottom (Std.) (1.295 to 1.305" Wide)	1
4 (B)	732 430 M1	31121221	Insert, Main Bearing, Intermediate (Std.) (.990 to 1" Wide)	4
5 (B)	733 040 M1	31123271	Insert, Main Bearing, Center and Rear (Std.) (1.595 to 1.605" Wide)	4
8	735 112 M1	31127211	Washer, Thrust, Rear Main, Top (Std.) (Aluminum)	2
8	731 017 M1	0920849	Washer, Thrust, Rear Main, Top (Std.)(Steel)	2
8	735 800 M1	31137212	Washer, Thrust, Rear Main, Top (+.007")(Aluminum)	x
8	731 819 M1	0920849A	Washer, Thrust, Rear Main, Top (+.007")Steel)	x
9	735 113 M1	31137221	Washer, Thrust, Rear Main, Bottom (Std.)(Aluminum)	2
9 (C)	731 016 M1	31137171	Washer, Thrust, Rear Main, Bottom (Std.)(Steel)(Order (1) 735 113 M1 and 735 112 M1)	2
9	735 801 M1	31137222	Washer, Thrust, Rear Main, Bottom (+.007")(Aluminum)	x
9 (C)	731 808 M1	31137172	Washer, Thrust, Rear Main, Bottom (+.007")(Steel)(Order (1) 735 801 M1 and 735 800 M1)	x
10 (D)	731 735 M1	0920940	Washer, Thrust, Rear Main, Bottom (Std.)(Steel)	2
10 (D)	731 820 M1	0920940A	Washer, Thrust, Rear Main, Bottom (+.007")(Steel)	x
13	731 073 M1	0330934	Spacer, Crankshaft Timing Gear	1
14	731 074 M1	0410228	Gear, Crankshaft Timing	1
15 (E)	733 872 M1	31148674	Pulley, Crankshaft (w/3 Tapped Holes 3/8" - 16)	1
15 (F)	732 800 M1	31148672	Pulley, Crankshaft (w/3 Tapped Holes 3/8" - 24)(Order 734 563 M1)	1
15 (G)	731 809 M1	31148671	Pulley, Crankshaft (Solid)(Order 734 563 M1)	1
16 (H)	375 835 X1	0745138	Bolt, Crankshaft Pulley Retaining	1
17 (I)	731 075 M1	31143721	Pulley, Crankshaft (Solid)(Order (1) 734 563 M1 and (1) 375 835 X1)	1
18 (I)	732 494 M1	31777031	Jaw, Pulley Retaining	1
19	731 376 M1	33125112	Washer, Pulley	1
20	731 076 M1	36271704	Key, Gear and Pulley	1
22	734 861 M91	0999961	Flywheel Assembly (Used w/Dual Clutch) (Incl. Item 23)	1
22 (J)	736 167 M91	0999930	Flywheel Assembly (Used w/Single Clutch) (Incl. Item 23)	1
22 (K)	188 681 M91	0999838	Flywheel Assembly (Used w/Single Clutch) (Incl. Item 23)	1
23	731 008 M1	0410236	Gear, Ring	1
24	731 192 M1	0921062	Lock, Flywheel Bolts	3
25	353 593 X1	32162203	Bolt, Flywheel (1/2 x 1-1/4" NF, Hex.) (Used w/734 861 M91 and 736 167 M91)	6
25	733 595 M1	0096834	Bolt, Flywheel (1/2 x 1-7/8" NF, Hex.) (Used w/188 681 M91).	6
26	832 960 M1		Bearing, Clutch Pilot (Agricultural Models)	1
26	832 953 M1		Bearing, Clutch Pilot (Utility Models)	1
29 (B)	732 619 M1	31122322	Insert, Main Bearing, Front, Top (-.010") (1.295 to 1.305" Wide)	1
30 (B)	732 615 M1	31122312	Insert, Main Bearing, Front, Bottom (-.010") (1.295 to 1.305" Wide)	1
31 (B)	732 611 M1	31121222	Insert, Main Bearing, Front, Intermediate (-.010") (.990 to 1" Wide)	4
32 (B)	733 566 M1	31123272	Insert, Main Bearing, Center and Rear (-.010") (1.595 to 1.605" Wide)	4
29 (B)	732 620 M1	31122323	Insert, Main Bearing, Front, Top (-.020") (1.295 to 1.305" Wide)	1
30 (B)	732 616 M1	31122313	Insert, Main Bearing, Front, Bottom (-.020") (1.295 to 1.305" Wide)	1
31 (B)	732 612 M1	31121223	Insert, Main Bearing, Intermediate (-.020") (.990 to 1" Wide)	4
32 (B)	733 568 M1	31123273	Insert, Main Bearing, Center and Rear (-.020") (1.595 to 1.605" Wide)	4
29 (B)	732 621 M1	31122324	Insert, Main Bearing, Front, Top (-.030") (1.295 to 1.305" Wide)	1
30 (B)	732 617 M1	31122314	Insert, Main Bearing, Front, Bottom (-.030") (1.295 to 1.305" Wide)	1
31 (B)	732 613 M1	31121224	Insert, Main Bearing, Intermediate (-.030") (.990 to 1" Wide)	4
32 (B)	733 587 M1	31123274	Insert, Main Bearing, Center and Rear (-.030") (1.595 to 1.605" Wide)	4

Notes:
(A) - Part Number for reference only. For Repairs order 736 366 M91 Crankshaft Kit (See Page 101).
(B) - Individual Inserts listed are used with production Crankshaft 736 186 M1. Complete Main Bearing Insert Kits shown on Page 101 may also be used with Production Crankshaft 736 186 M1 provided all Inserts are replaced.
(C) - Used Engine Serial Number 280 8068 and up.
(D) - Used prior to Engine Serial Number 280 8068.
(E) - Used Engine Serial Number 291 3328 and up. Order 734 563 M1.
(F) - Used Engine Serial Number 282 0091 to 291 3328.
(G) - Used Engine Serial Number 281 4941 to 282 0091.
(H) - Used Engine Serial Number 281 4941 and up.
(I) - Used prior to Serial Number 281 4941.
(J) - Used late production Tractors. Flywheel is 3/4" Thick at mounting Holes.
(K) - Used early production Tractors. Flywheel is 1-1/4" Thick at mounting Holes. For repairs order (1) 736 167 M91 Flywheel and (6) 353 593 X1, Bolts.

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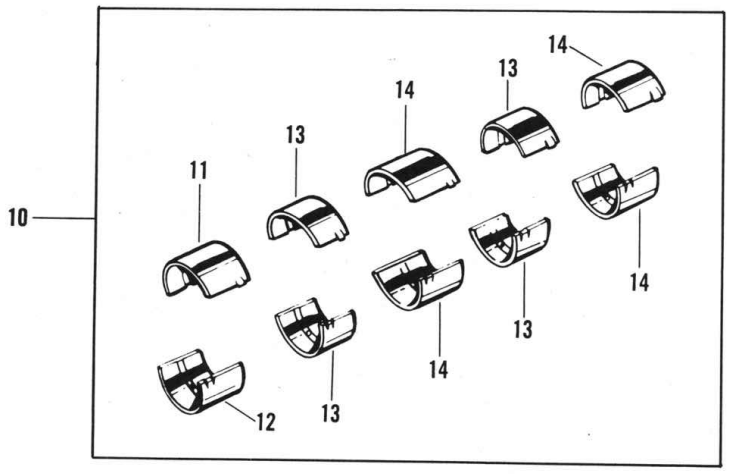

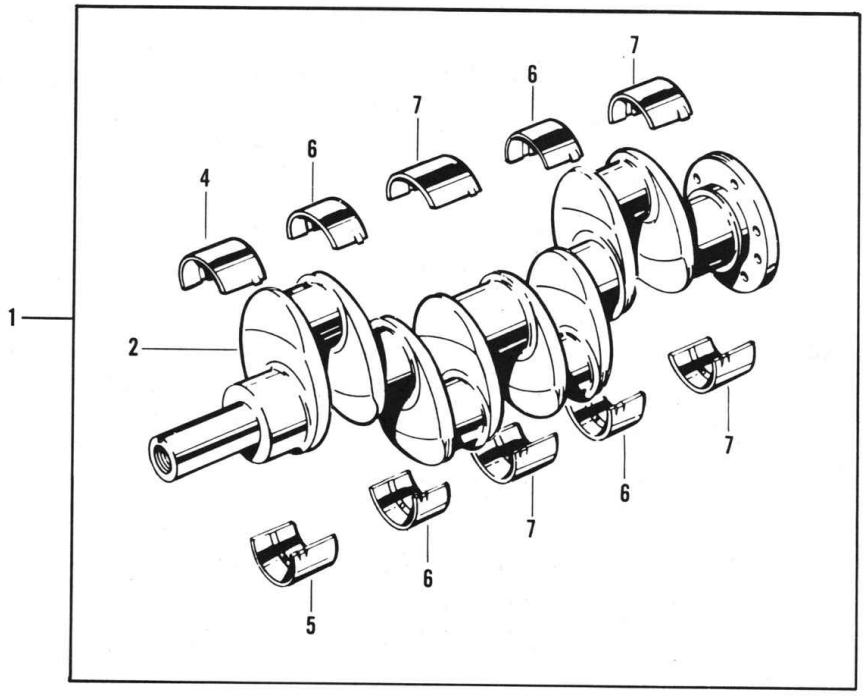

CRANKSHAFT AND BEARINGS

REGULAR DIESEL

(SEE NOTES A AND B)

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1 (A)	736 366 M91	83447	Crankshaft Kit	1
2	736 230 M1	31315145	Crankshaft (Order 736 366 M91)	1
(B)	736 336 M91	83437	Insert Kit, Main Bearing (Standard)	1
4	736 232 M1	31122421	Insert, Front, Top (1.264 to 1.274" Wide)	1
5	736 233 M1	31122411	Insert, Front, Bottom (1.264 to 1.274" Wide)	1
6	736 234 M1	31121261	Insert, Intermediate (.927 to .937" Wide)	4
7	736 231 M1	31123331	Insert, Center and Rear (1.532 to 1.542" Wide)	4
10 (B)	736 337 M91	83437A	Insert Kit, Main Bearing (-.010")	1
11	736 347 M1	31122422	Insert, Front, Top (1.264 to 1.274" Wide)	1
12	736 344 M1	31122412	Insert, Front, Bottom (1.264 to 1.274" Wide)	1
13	736 341 M1	31121262	Insert, Intermediate (.927 to .937" Wide)	4
14	736 350 M1	31123332	Insert, Center and Rear (1.532 to 1.542" Wide)	4
10 (B)	736 338 M91	83437B	Insert Kit, Main Bearing (-.020")	1
11	736 348 M1	31122423	Insert, Front, Top (1.264 to 1.274" Wide)	1
12	736 345 M1	31122413	Insert, Front, Bottom (1.264 to 1.274" Wide)	1
13	736 342 M1	31121263	Insert, Intermediate (.927 to .937" Wide)	4
14	736 351 M1	31123333	Insert, Center and Rear (1.532 to 1.542" Wide)	4
10 (B)	736 339 M91	83437B	Insert Kit, Main Bearing (-.030")	1
11	736 349 M1	31122424	Insert, Front, Top (1.264 to 1.274" Wide)	1
12	736 346 M1	31122414	Insert, Front, Bottom (1.264 to 1.274" Wide)	1
13	736 343 M1	31121264	Insert, Intermediate (.927 to .937" Wide)	4
14	736 352 M1	31123334	Insert, Center and Rear (1.532 to 1.542" Wide)	4

Notes: (A) - Crankshaft Kit 736 366 M91 to be used to Repair Production Crankshaft 736 186 M1 (See Page 99).

(B) - Main Bearing Insert Kits and individual Inserts listed are to be used with 736 230 M1 Crankshaft. Main Bearing Insert Kits may also be used with production Crankshaft 736 186 M1 provided all Inserts are replaced.

PISTONS AND RINGS, CONNECTING RODS AND BEARINGS

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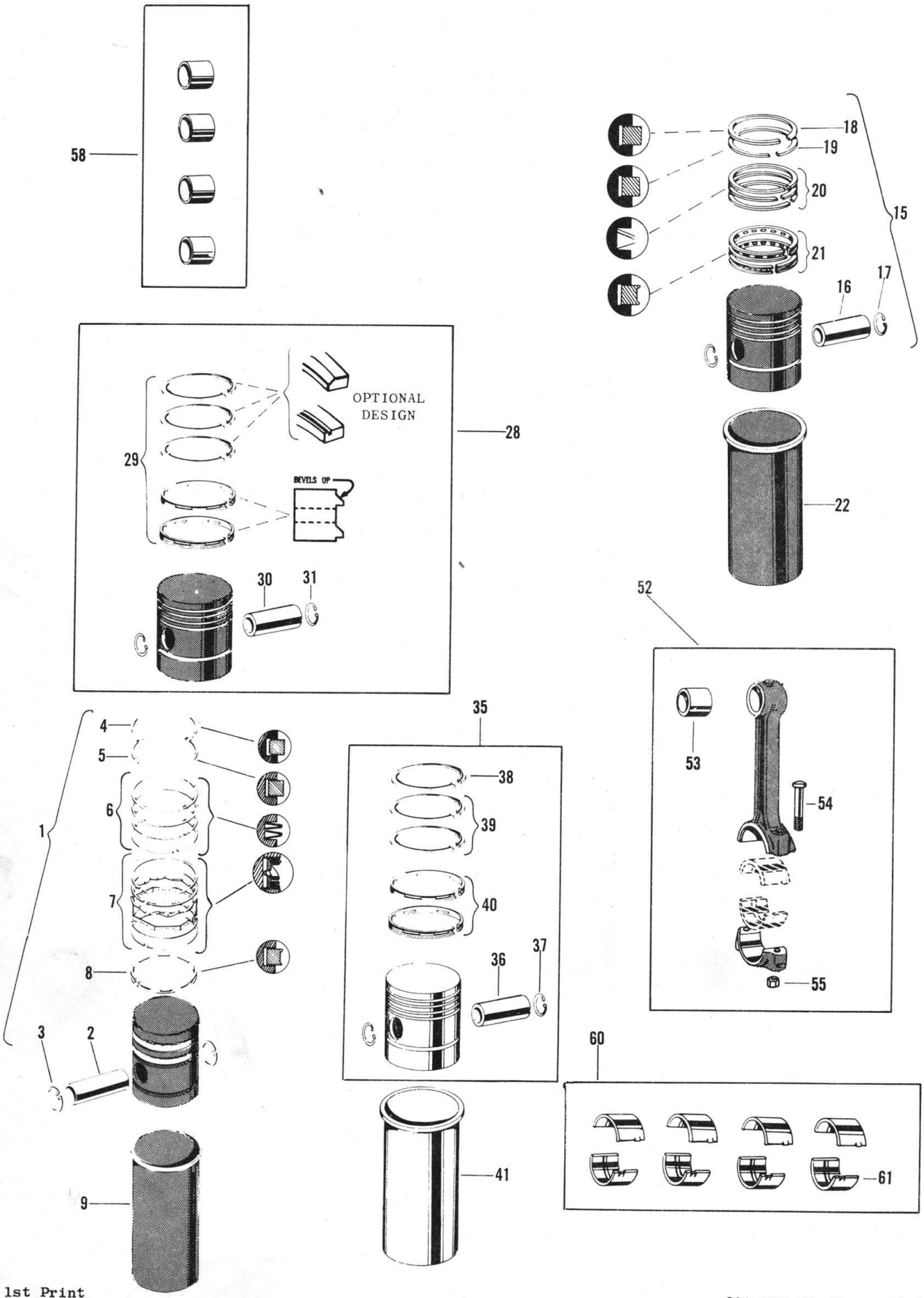
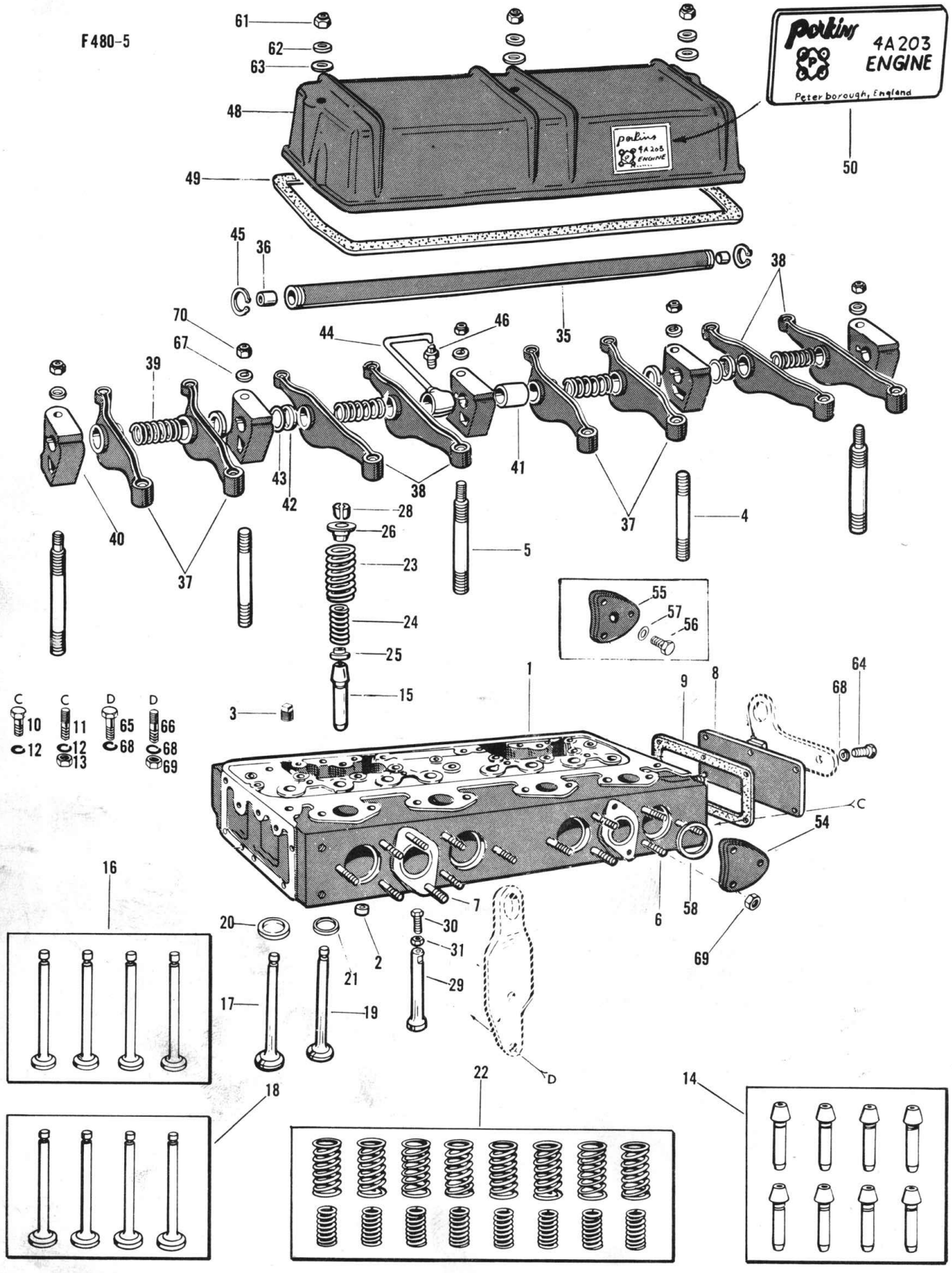


REGULAR DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1 (A)	734 459 M91	81874	Piston Assembly (Cast Iron)	4
2	731 083 M1	0610516	Pin, Piston	1
3	375 709 X1	0170001	Ring, Snap, Piston Pin Retaining	2
4	734 050 M1	31362191	Ring, Compression (1st Groove)	1
5	731 080 M1	0640135	Ring, Compression (2nd Groove)	1
6	732 878 M1	31365181	Ring, Compression (3rd Groove) (Segment Type)	4
7	734 051 M1	31377181	Ring, Oil Control (4th Groove)	1
8	731 082 M1	0640134	Ring, Oil Control (5th Groove)	1
9 (A)	734 175 M1	31358322	Liner, Cylinder Block (Piston Sleeve) (Cast Iron)	4
	734 470 M91	82118	Ring Set, Piston (for 734 459 M91 Piston)	1
15 (B)	733 147 M91	59634	Piston Assembly (Original Equipment) (Chrome) (Order 835 756 M91) (See Item 28)	4
16	731 083 M1	0610516	Pin, Piston	1
17	375 709 X1	0170001	Ring, Snap, Piston Pin Retaining	2
18	731 080 M1	0640135	Ring, Compression (1st Groove)	1
19	731 081 M1	0640136	Ring, Compression (2nd Groove)	1
20	732 878 M1	31365181	Ring, Compression (3rd Groove) (Segment Type)	3
21	731 082 M1	0640134	Ring, Oil Control (4th and 5th Groove)	2
22 (B)	732 638 M1	31358308	Liner, Cylinder Block (Piston Sleeve) (Chrome)	4
	733 146 M91	59633	Ring Set, Piston (for 733 147 M91 Piston) (Order 4 - 841 521 M92)	1
(C)	734 577 M91		Piston Assembly,w/1/8" 3rd Groove (Order 835 756 M91)	4
(C)	835 701 M91		Piston Assembly,w/3/32" 3rd Groove (Order 835 756 M91)	4
28	835 756 M91 • 734460M91		Piston Assembly	4
29 (C)	841 521 M92 4-835763M91		Ring Set, Piston (Re-Ring) (Set includes Rings for 1 Piston only)	1
30	731 083 M1	0610516	Pin, Piston	1
31	375 709 X1	0170001	Ring, Snap, Piston Pin Retaining	2
35 (D)	732 650 M91	59156	Piston Assembly (Order 835 756 M91)	4
36	731 083 M1	0610516	Pin, Piston	1
37	375 709 X1	0170001	Ring, Snap, Piston Pin Retaining	2
38	731 080 M1	0640135	Ring, Compression (1st Groove)	1
39	731 081 M1	0640136	Ring, Compression (2nd and 3rd Groove)	2
40	731 082 M1	0640134	Ring, Oil Control (4th and 5th Groove)	2
41	732 638 M1	31358308	Liner, Cylinder Block (Piston Sleeve)	4
	731 703 M91	58260	Ring Set, Piston (for 732 650 M91 Piston) (Order 4 - 841 521 M92)	1
52	735 391 M91	52813	Rod Assembly, Connecting	4
53	731 087 M1	0050119	Bushing, Piston Pin	1
54	375 756 X1	0095250	Bolt, Connecting Rod	2
55	376 156 X1	0571276	Nut (7/16" NF, Special)	2
58	731 712 M91	58269	Bushing Set, Connecting Rod	1
60	732 710 M91	58707	Insert Set, Connecting Rod Bearing (Standard)	1
61	732 434 M1	31131171	Insert, Connecting Rod Bearing (Standard)	8
60	732 711 M91	58708	Insert Set, Connecting Rod Bearing (+.010")	1
61	732 627 M1	31131172	Insert, Connecting Rod Bearing (-.010")	8
60	732 712 M91	59171	Insert Set, Connecting Rod Bearing (-.020")	1
61	732 628 M1	31131173	Insert, Connecting Rod Bearing (-.020")	8
61	732 629 M1	31131174	Insert, Connecting Rod Bearing (-.030")	8

Notes: (A) - Used Engine Serial Nos. 2820093 and up.
(B) - Used Engine Serial Nos. 2812813 to 2820093.
(C) - Re-Ring Set will contain 4 Compression Rings and 2 Oil Control Rings. 3 Compression Rings are 3/32" and 1 Compression Ring is 1/8". 3rd Groove of Piston 734 577 M91 will require Compression Ring 1/8" thick; 3rd Groove of Piston 835 701 M91 will require Compression Ring 3/32" thick. Use Rings as indicated by Piston Groove and discard Ring not required per immediate application.
(D) - Used prior to Engine Serial No. 281 2813.

CYLINDER HEAD AND COVER, VALVES AND ROCKER ARMS



CYLINDER HEAD AND COVER, VALVES AND ROCKER ARMS

REGULAR DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1 (A)	733 309 M91	80123	Head Assembly, Cylinder	1
1 (B)	731 682 M91	55423	Head Assembly, Cylinder (Order 1 - 733 309 M91, 8 - 731 959 M1)	1
2	731 362 M1	0650685	Restrictor, Water Port (3/8 x 7/8 x 3/8")	3
3	731 361 M1	0650590	Plug, Cylinder Head	4
4	731 328 M1	0826479	Stud, Rockershaft Bracket (3/8" NF x 2-7/8")	2
5	731 329 M1	0825241	Stud, Rockershaft Bracket (3/8" - 5/16" NF x 3-3/4")	3
6	731 326 M1	0825258	Stud, Combustion Chamber Cap (3/8" NF x 1-7/16")	12
7	731 327 M1	0826232	Stud, Exhaust Manifold (5/16" NF x 1-1/2")	4
8	731 127 M1	0941118	Cover, Cylinder Head End Plate	1
9	731 128 M1	0490485	Gasket, Cover Plate	1
10 (E)	353 502 X1	0746052	Bolt, Cover (1/4 x 5/8" NF, Hex.)	6
11 (F)	731 322 M1	0826002	Stud, Cover (1/4" NF x 13/16")	6
12	353 441 X1	0920052	Washer (1/4" Lock)	6
13 (F)	353 918 X1	0576001	Nut (1/4" NF, Hex.)	6
14 (A)	732 726 M91	59184	Guide Set, Valve	1
15	732 445 M1	33261723	Guide, Valve	8
14 (B)	731 708 M91	58265	Guide Set, Valve (Order 1 - 732 726 M91 & 8 - 731 959 M1)	1
15	731 126 M1	0420002	Guide, Valve	8
16	731 704 M91	58261	Valve Set, Intake	1
17	731 151 M1	31431261	Valve, Intake	4
18	731 705 M91	58262	Valve Set, Exhaust	1
19	731 152 M1	0910002	Valve, Exhaust	4
20	733 045 M1	0470676	Insert, Valve Seat, Intake	4
21	733 046 M1	0470677	Insert, Valve Seat, Exhaust	4
22	731 706 M91	58263	Spring Set, Valve	1
23	731 154 M1	0780006	Spring, Valve, Outer (29/32" ID x 1-1/16" OD)	8
24	731 153 M1	0780007	Spring, Valve, Inner (21/32" ID x 3/4" OD)	8
25 (A)	731 959 M1	33411107	Retainer, Valve Spring, Lower (1/2" Diameter Hole)	8
25 (B)	731 333 M1	0920516	Retainer, Valve Spring, Lower (9/16" Diameter Hole)	8
26	731 156 M1	0150008	Cap, Valve Spring, Upper	8
28	731 155 M1	0230001	Retainer Assembly, Valve Spring Cap	8
29	731 150 M1	0860012	Tappet	8
30	731 332 M1	0720677	Screw, Tappet Adjusting	8
31	353 430 X1	0576052	Nut, Lock Adjusting Screw (3/8" NF, Hex.)	8
	731 683 M91	55437	Shaft Assembly, Rocker	1
35	731 675 M91	52703	Shaft, Rocker	1
36	731 330 M1	0650507	Plug, Rockershaft End	2
37	731 142 M1	0520430	Arm, Rocker, Right Hand	4
38	731 143 M1	0520429	Arm, Rocker, Left Hand	4
39	731 146 M1	0780009	Spring, Rockershaft	4
40	731 140 M1	0101138	Bracket, Rockershaft	5
41	731 145 M1	0330510	Spacer, Rockershaft (21/32 x 7/8 x 15/16")	1
42	731 144 M1	0330517	Spacer, Rockershaft (21/32 x 7/8 x 1/8")	4
43	731 141 M1	0760001	Shim, Rockershaft (41/64 x 1 x .020")	x
44	731 147 M91	0994748	Line, Oil, Rockershaft	1
45	375 717 X1	0170033	Ring, Snap, Shaft Retaining	1
46	731 331 M1	0571351	Nut, Oil Line	1
46	22 114 X	0566002	Sleeve, Oil Line	1
48	731 731 M1	0240703	Cover, Cylinder Head	1
49	731 164 M1	0490704	Gasket, Cylinder Cover to Head	1
50	731 929 M1	31815601	Decal, Engine	1
54 (C)	731 138 M1	37416203	Cap, Combustion Chamber	4
55 (D)	731 677 M91	53837	Cap Assembly, Combustion Chamber (Order 731 138 M1)	4
56	375 799 X1	0650718	Plug, Combustion Chamber Cap	1
57	375 801 X1	0920126	Washer, Plug (25/64 x 17/32 x 1/16" Copper)	1
58	734 178 M1	0490023	Gasket, Combustion Chamber Cap	4
61	375 721 X1	0576102	Nut (5/16" NF, Special)	3
62	353 755 X1	0920497	Washer (11/32 x 3/4 x 5/64")	3
63	375 745 X1	0920302	Washer (11/32" ID x 5/8" Leather)	3
64	353 536 X1	0746452	Bolt (3/8 x 3/4" NF, Hex.)	1
65 (E)	353 537 X1	0746453	Bolt (3/8 x 7/8" NF, Hex.)	2
66 (F)	731 323 M1	0826466	Stud (3/8" NF x 1-1/16")	2
67	375 706 X1	0920004	Washer (3/8 x 3/4 x 5/64")	5
68	353 434 X1	0920054	Washer (3/8" Lock)	3
69	353 431 X1	0576051	Nut (3/8" NF, Hex.)	14
70	375 558 X1	0576104	Nut (3/8" NF, Special)	5

Notes: (A) - Used Engine Serial No. 2814187 and up.
(B) - Used prior to Engine Serial No. 2814187.
(C) - Used Engine Serial No. 2804950 and up.
(D) - Used prior to Engine Serial No. 2804950.
(E) - Used late model Engine.
(F) - Used early model Engine.

TIMING GEARS, HOUSING AND COVER, CAMSHAFT

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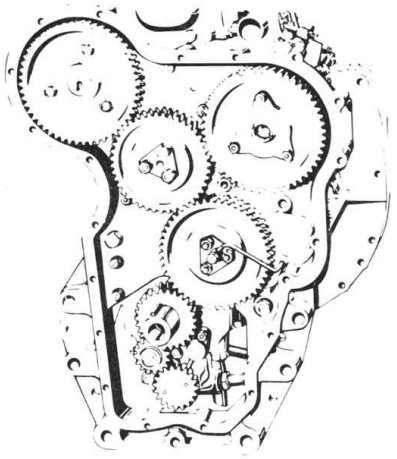

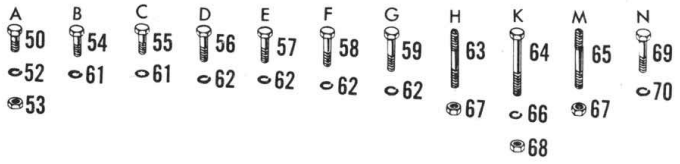

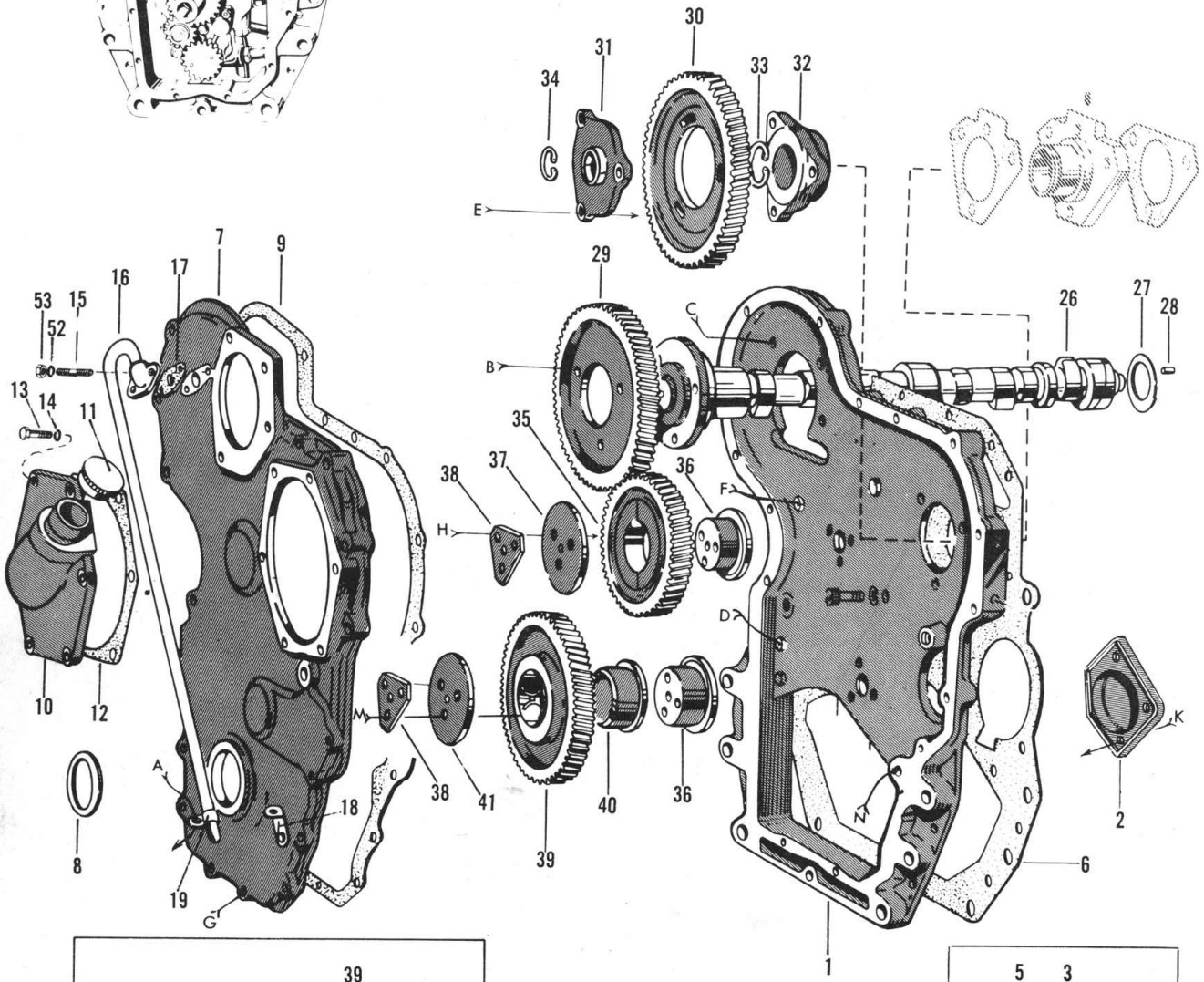

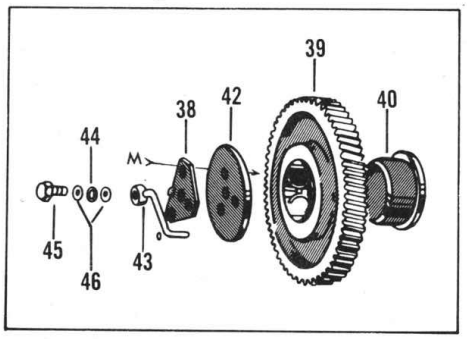

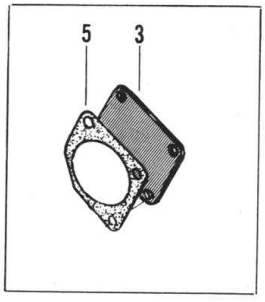

TIMING GEARS, HOUSING AND COVER, CAMSHAFT

REGULAR DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1	732 713 M1	37161543	Housing, Timing Gears	1
2 (C)	733 959 M1	37556142	Plate, Cover, Timing Gear Housing (w/Offset Center)	1
3 (D)	732 492 M1	36237126	Plate, Cover, Timing Gear Housing (Plain)(Requires Gasket)	1
3 (D)	731 057 M1	0941092	Plate, Cover, Timing Gear Housing (w/Offset Center) (Requires Gasket) (Order 732 492 M1)	1
5 (D)	731 058 M1	0490697	Gasket, Cover Plate	1
6	731 056 M1	0490691	Gasket, Housing to Block	1
7	731 694 M91	58126	Cover Assembly, Timing Gear Housing	1
8	1 851 747 M1	2414111	Seal, Oil (2-1/4 x 3 x 1/2")	1
9	731 060 M1	0490709	Gasket, Cover to Housing	1
10	731 062 M91	35784794	Cover Assembly, Oil Filler Body	1
11	1 851 752 M91	2487841	Cap Assembly, Oil Filler	1
12	731 061 M1	0490698	Gasket, Oil Filler Cover	1
13	353 518 X1	0746255	Bolt, Cover (5/16 x 7/8" NF, Hex.)	6
14	375 744 X1	0920108	Washer (11/32 x 37/64 x 1/16")	6
15	731 314 M1	0826012	Stud, Breather Pipe (1/4" NF x 1-3/8")	2
16	731 067 M91	35718115	Pipe Assembly, Breather	1
17	731 066 M1	0490053	Gasket, Breather Pipe	1
18	731 070 M1	0102042	Bracket, Breather Pipe Support	1
19	22 142 X		Clip, Breather Pipe to Bracket	1
26	731 027 M1	0140034	Camshaft	1
27	731 029 M1	0941081	Plate, Thrust, Camshaft	1
28	375 570 X1	0610904	Pin, Thrust Plate Locating (1/8 x 1/2" Groove)	1
29	731 028 M1	0410231	Gear, Camshaft Timing (52 Teeth)	1
30	731 180 M1	0410232	Gear, Injection Pump (52 Teeth)	1
31	734 134 M1	37427422	Adapter, Injection Pump Gear	1
32	731 179 M1	0450034	Hub, Injection Pump Gear	1
33	375 748 X1	0170044	Ring, Snap, Hub Retaining	1
34	375 741 X1	0170129	Ring, Snap, Adapter Retaining	1
35	731 034 M1	0410227	Gear, Idler, Upper (43 Teeth)	1
36	731 031 M1	0450035	Hub, Idler Gears	2
37	731 036 M1	0941082	Plate, Upper Idler Gear Retaining	1
38	731 292 M1	0921246	Lock, Idler Gears	2
39	731 797 M91	41115004	Gear Assembly, Idler, Lower	1
40	731 033 M1	0050345	Bushing, Lower Idler Gear	2
41 (A)	731 036 M1	0941082	Plate, Lower Idler Gear Retaining	1
42 (B)	731 035 M1	0941091	Plate, Lower Idler Gear Retaining	1
43 (B)	731 037 M91	0999029	Pipe Assembly, Oil Spray	1
44 (B)	731 039 M1	0640126	"O" Ring, Spray Pipe	1
45 (B)	731 293 M1	0095345	Bolt, Spray Pipe (Banjo Type)	1
46 (B)	375 753 X1	0921168	Washer, Spray Pipe Bolt (21/64 x 1/2 x 1/16" Copper)	2
50	353 501 X1	0746051	Bolt (1/4 x 1/2" NF, Hex.)	x
52	353 441 X1	0920052	Washer (1/4" Lock)	x
53	353 918 X1	0576001	Nut (1/4" NF, Hex.)	x
54	353 517 X1	0746254	Bolt (5/16 x 3/4" NF, Hex.)	x
55	375 732 X1	0746355	Bolt (5/16 x 3/4" NF, Thin Hex. Hd.)	x
56	353 518 X1	0746255	Bolt (5/16 x 7/8" NF, Hex.)	x
57	353 519 X1	0746256	Bolt (5/16 x 1" NF, Hex.)	x
58	375 702 X1	0746257	Bolt (5/16 x 1-1/8" NF, Hex.)	x
59	353 521 X1	0096231	Bolt (5/16 x 1-1/4" NF, Hex.)	x
59	353 523 X1	0096233	Bolt (5/16 x 1-1/2" NF, Hex.)	x
61	22 756 X	0920299	Washer (5/16" Int. Skpf.)	x
62	353 446 X1	0920053	Washer (5/16" Lock)	x
63	731 303 M1	0826434	Stud (3/8" NF x 2-9/16")	x
64	354 273 X1	2234040	Bolt (3/8 x 3" NF, Hex.)	x
65	731 302 M1	0826475	Stud (3/8" NF x 2-3/4")	x
66	353 434 X1	0920054	Washer (3/8" Lock)	x
67	353 431 X1	0576051	Nut (3/8" NF, Hex.)	x
68	354 123 X1	2238153	Nut (3/8" NF, Hex.)	x
69	353 953 X1	0746852	Bolt (1/2 x 1-1/4" NF, Hex.) (Right Hand Side)	x
69	348 319 X1	0746858	Bolt (1/2 x 2" NF, Hex.) (Left Hand Side)	x
70	353 439 X1	0920056	Washer (1/2" Lock)	x

Notes: (A) - Used Engine Serial No. 281 2139 and up.
(B) - Used prior to Engine Serial No. 281 2139.
(C) - Used Engine Serial No. 282 0093 and up.
(D) - Used prior to Engine Serial No. 282 0093.

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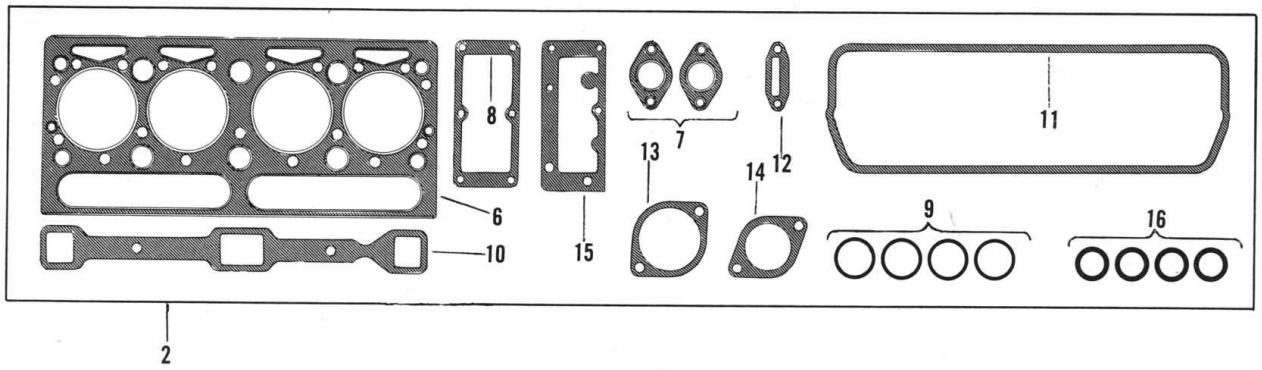
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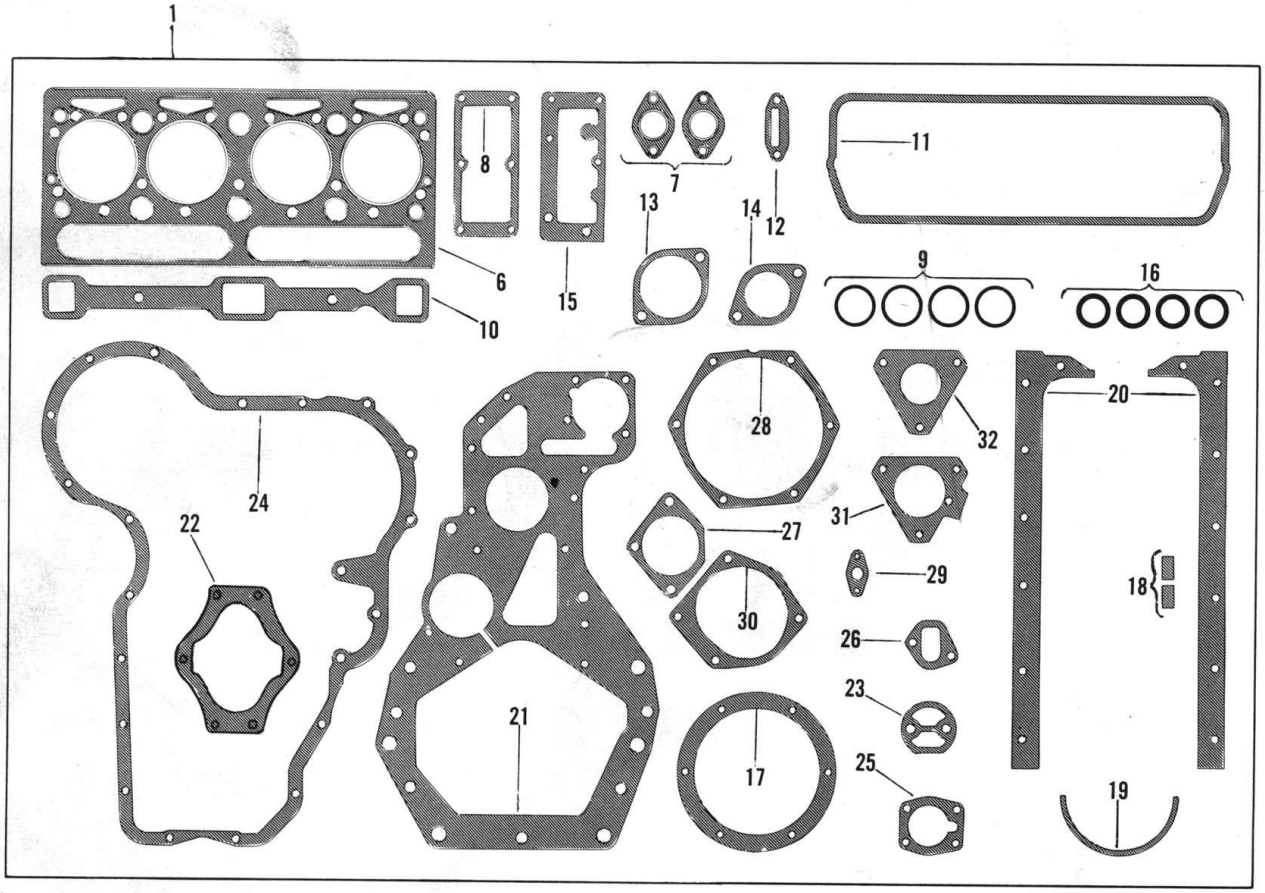
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ENGINE GASKET KITS

REGULAR DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1	731 693 M91	57954	Gasket Set, Engine Overhaul (Incl. Items #6 thru #32)...	1
2	731 692 M91	57953	Gasket Set, Valve Grinding (Incl. Items #6 thru #16)....	1
6	731 011 M2	36812113	Gasket, Cylinder Head.....	1
7	731 158 M1	0490044	Gasket, Exhaust Manifold.....	2
8	731 128 M1	0490485	Gasket, Cylinder Head Rear Cover.....	1
9	734 178 M1	0490023	Gasket, Combustion Chamber Cap.....	4
10	731 160 M1	0490042	Gasket, Intake Manifold.....	1
11	731 164 M1	0490704	Gasket, Cylinder Head Cover.....	1
12	731 135 M1	0490702	Gasket, Water Outlet By-Pass.....	1
13	731 133 M1	0490707	Gasket, Water Outlet (Top).....	1
14	731 161 M1	0490703	Gasket, Air Intake Connection.....	1
15	731 131 M1	0490701	Gasket, Water Outlet.....	1
16	826 218 M1	0920113	Washer, Injection Nozzles.....	4
17	731 115 M1	0490251	Gasket, Strainer Cover.....	1
18	731 120 M1	0490705	Gasket, Adapter to Block.....	2
19	731 123 M1	0490019	Gasket, Oil Pan (End).....	1
20	731 637 M91	0999594	Gasket Set, Oil Pan (Top).....	1
21	731 056 M1	0490691	Gasket, Timing Gear Housing to Block.....	1
22	734 664 M1	36817134	Gasket, Crankshaft, Rear End Cover.....	1
23	731 124 M1	0490514	Gasket, Oil Filler.....	1
24	731 060 M1	0490709	Gasket, Timing Gear Housing to Cover.....	1
25	731 051 M1	0490699	Gasket, Tractormeter Housing.....	1
26	731 052 M1	0490692	Gasket, Water Inlet Connection.....	1
27	731 058 M1	0490697	Gasket, Cover Plate.....	1
28	731 061 M1	0490698	Gasket, Inspection Cover.....	1
29	731 066 M1	0490053	Gasket, Breather Pipe.....	1
30	731 165 M1	0490690	Gasket, Water Pump Body.....	1
31	731 178 M1	0490706	Gasket, Injection Pump.....	1
32	731 176 M1	0490685	Gasket, Injection Pump.....	1

OIL PUMP, OIL PAN AND LUBRICATING LINES

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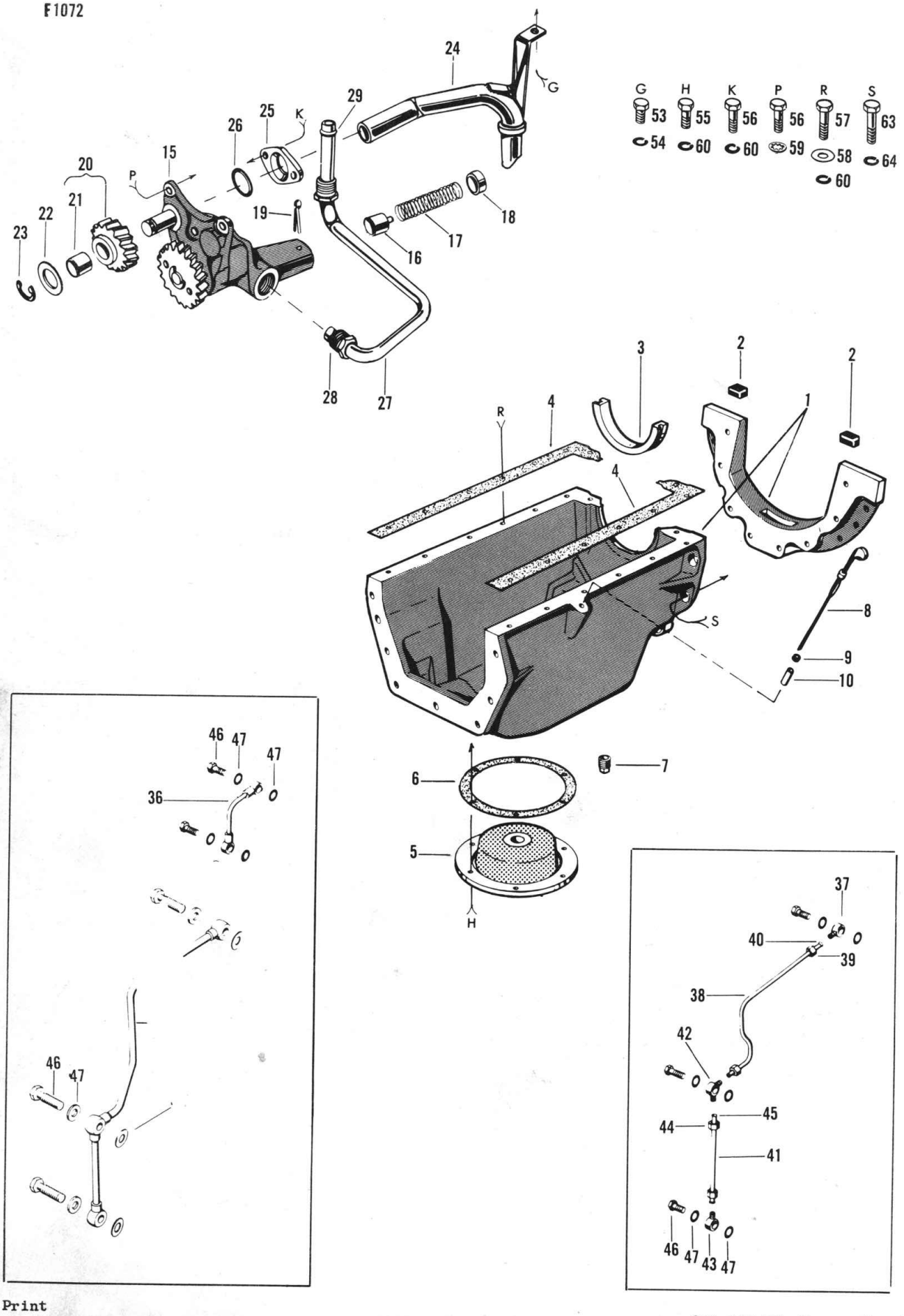

OIL PUMP, OIL PAN AND LUBRICATING LINES

REGULAR DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1 (A)	731 956 M91	41424004	Pan Assembly, w/Adapter	1
1 (B)	731 636 M91	41424003	Pan Assembly, Oil, w/Adapter (Order 1 - 731 956 M91, 4 - 353 519 X1 and 2 - 375 833 X1)	1
2	731 120 M1	0490705	Gasket, Adapter to Block (17/32 x 1 x 5/16" Rubber)	2
3	731 123 M1	0490019	Gasket, Oil Pan, End	1
4	731 637 M91	0999594	Gasket, Oil Pan, Top (1 Pair)	1
5	731 112 M91	37725116	Strainer Assembly, Oil	1
6	731 115 M1	0490251	Gasket, Strainer	1
7	375 182 X1	0650540	Plug, Drain, Oil Pan	1
8	731 117 M91	31786412	Gauge Assembly, Oil (Dip Stick)	1
9	731 119 M1	33812108	Seal, Oil Gauge	1
10	731 957 M1	0621327	Support, Dip Stick	1
15	733 256 M91	41314033	Pump Assembly, Oil	1
16	731 096 M1	0630082	Plunger, Relief Valve	1
17	731 097 M1	0780312	Spring, Relief Valve	1
18	731 098 M1	0150144	Cap, Spring, Seat	1
19	354 059 X1	0610011	Cotter Pin (1/8 x 1")	1
	376 946 X1	2415811	"O" Ring, Oil Pump Inspection Plug (Not Illustrated)	1
20	731 635 M91	0994967	Gear Assembly, Oil Pump, Idler	1
21	731 102 M1	0050344	Bushing, Idler Gear (21/32 x 3/4 x 55/64")	1
22	731 319 M1	0921241	Washer, Idler Gear (21/32 x 1-3/16 x 1/16")	1
23	731 103 M1	0180831	Ring, Snap, Idler Gear Retaining	1
24	731 104 M91	35732442	Pipe Assembly, Oil Suction	1
25	731 107 M1	36174115	Flange, Suction Pipe to Relief Housing	1
26	731 108 M1	0640144	"O" Ring, Flange	1
27	731 109 M1	34715124	Pipe, Oil Delivery	1
28	375 831 X1	33532121	Nut, Delivery Pipe	2
29	375 759 X1	0560244	Sleeve, Delivery Pipe	2
35 (C)	734 207 M91	35587339	Line Assembly, Lubricating	1
36	732 482 M91	35551503	Pipe, Lubricating, Camshaft Chamber to Cylinder Head	1
37 (D)	731 045 M1	0201398	Connection, Pipe (Banjo Type)	1
38 (D)	731 043 M1	0623401	Pipe, Lubrication, Idler Gear to Camshaft Chamber	1
39 (D)	22 113 X	0576111	Nut, Idler, Gear Pipe	2
40 (D)	22 114 X	0566002	Sleeve, Nut	2
41 (D)	731 041 M1	0623402	Pipe, Lubrication, Idler Gear, Lower	1
42 (D)	731 044 M1	0201397	Connection, Pipe, Upper (Banjo Type)	1
43 (D)	731 042 M1	0201399	Connection, Pipe, Lower (Banjo Type)	1
44 (D)	375 750 X1	0576112	Nut, Lower Idler Gear Pipe	1
45 (D)	375 751 X1	0566003	Sleeve, Nut	1
46	731 294 M1	0095350	Bolt, Lubricating Pipe (Banjo Type)	x
47	375 801 X1	0920126	Washer, Lubricating Pipe Bolts	x
53	353 502 X1	0746052	Bolt (1/4 x 5/8" NF, Hex.)	x
54	353 441 X1	0920052	Washer (1/4" Lock)	x
55	354 258 X1	0746252	Bolt (5/16 x 1/2" NF, Hex.)	x
56	353 517 X1	0746254	Bolt (5/16 x 3/4" NF, Hex.)	x
57 (A)	353 519 X1	0746211	Bolt (5/16 x 1" NF, Hex.)	x
57 (B)	353 520 X1	0096201	Bolt (5/16 x 1-1/8" NF, Hex.)	x
58	375 744 X1	0920108	Washer (11/32 x 37/64 x 1/16")	x
59	22 756 X	0920299	Washer (5/16" Int. Skpf.)	x
60	353 446 X1	0920053	Washer (5/16" Lock)	x
63 (A)	375 833 X1	2182122	Bolt (1/2 x 1-5/16" NF, Hex.)	x
63 (B)	353 593 X1	0746852	Bolt (1/2 x 1-1/4" NF, Hex.)	x
64	353 439 X1	0920056	Washer (1/2" Lock)	x

Notes: (A) - Used Engine Serial No. 280 5112 and up.
(B) - Used prior to Engine Serial No. 280 5112.
(C) - Used Engine Serial No. 294 3736 and up.
(D) - Used prior to Engine Serial No. 294 3736.

OIL FILTERS

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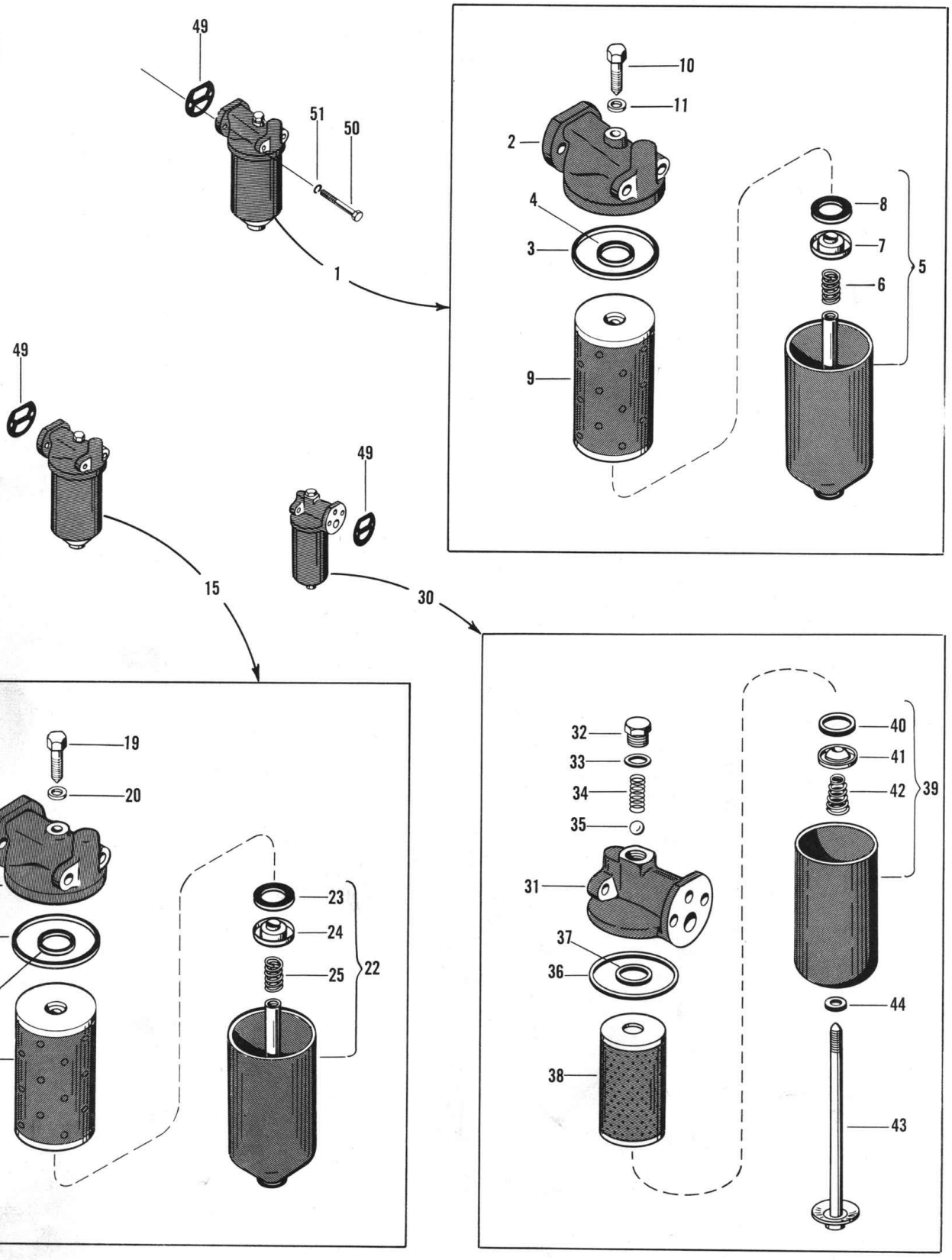


OIL FILTERS

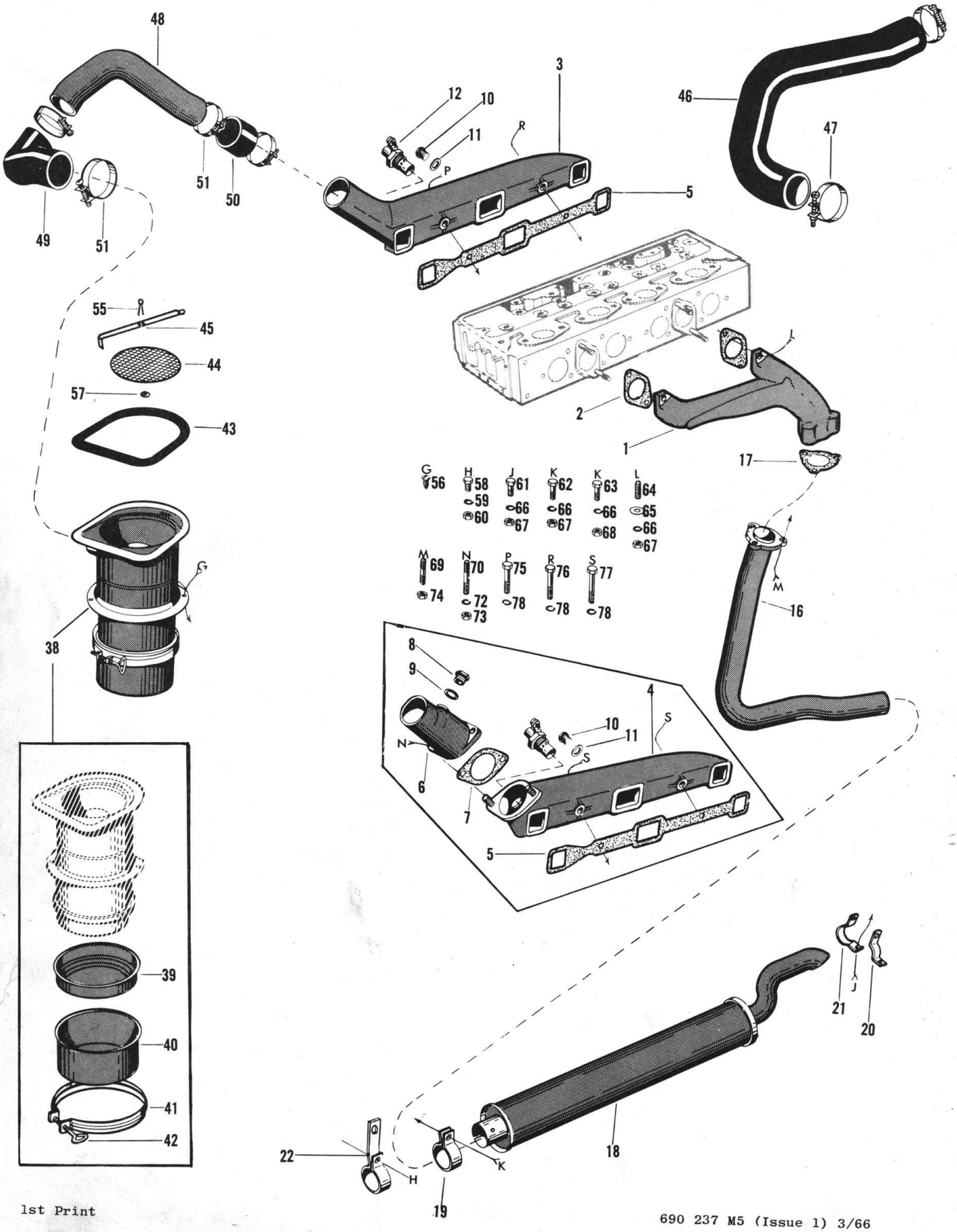
REGULAR DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1 (A)	892 579 M91	2654156	Filter Assembly, Oil (AC Delco #7965083)	1
2			Cover Assembly, Filter, w/Relief Valve (Order 892579 M91)	1
3	1 851 815 M1	0490781	Gasket, Cover to Body	1
4	1 881 779 M1	0730103	Seal, Element, Upper	1
5	1 881 624 M91	26540141	Body Assembly, Filter	1
6	1 881 577 M1	26560004	Spring, Element	1
7	735 991 M1	26560009	Washer, Spring Seat	1
8	1 881 576 M1	26560010	Seal, Element, Lower	1
9	1 852 251 M91	35289	Element Assembly (Order 835 568 M92)	1
10	1 852 621 M1	0095292	Bolt, Cover to Body	1
11	1 852 622 M1	0921079	Washer, Cover Bolt	1
15 (B)	891 835 M91	35290	Filter Assembly, Oil (AC Delco #7961264) (Order 892 579 M91)	1
16			Cover Assembly, Filter, w/ Relief Valve (Order 892 579 M91)	1
17	1 851 815 M1	0490781	Gasket, Cover to Body	1
18	1 851 779 M1	0730103	Seal, Element, Upper	1
19	1 852 621 M1	0095292	Bolt, Cover to Body	1
20	1 852 622 M1	0921079	Washer, Cover Bolt	1
21	1 851 766 M1	32527	Element (Order 835 568 M92)	1
22	1 852 250 M91	26560043	Body Assembly	1
23	1 851 779 M1	0730103	Seal, Element, Lower	1
24	1 851 780 M1	0730104	Washer, Spring Seat	1
25	1 852 770 M1	26540022	Spring, Element	1
30 (C)	890 952 M92	30491	Filter Assembly, Oil (AC Delco #1531586) (Order 892 579 M91)	1
31			Cover Assembly, Filter (Order 892 579 M91)	1
32	1 851 777 M1	0650690	Plug, Relief Valve	1
33	1 851 774 M1	0490595	Gasket, Relief Valve Plug	1
34	1 851 785 M1	0780243	Spring, Relief Valve	1
35	22 209 X	0020011	Ball, Relief Valve	1
36	1 851 815 M1	0490781	Gasket, Cover to Body	1
37	1 851 779 M1	0730103	Seal, Element, Upper	1
38	1 851 766 M1	32527	Element (Order 835 568 M92)	1
39	1 851 767 M1	32528	Body Assembly	1
40	1 851 779 M1	0730103	Seal, Element, Lower	1
41	1 851 780 M1	0730104	Retainer, Lower Seal	1
42	1 852 770 M1	26540022	Spring, Element	1
43	1 851 768 M1	32529	Bolt, Cover Retaining	1
44	1 851 789 M1	0921061	Washer, Cover Bolt	1
	835 568 M92		Element Kit (Incl. 3 - 1 851 776 M1 Elements, 3 - 1 851 815 M1 Gaskets)	1
49	731 124 M1	0490514	Gasket, Filter to Block	1
50	354 511 X1	0096445	Bolt, Filter to Block (3/8 x 4-1/4" NF, Hex.)	2
51	353 434 X1	0920054	Washer, Filter Bolt (3/8" Lock)	2

Notes: (A) - No Cut-off available; Check Filter carefully before ordering Parts.
(B) - Used Engine Serial No. 281 5442 and up.
(C) - Used prior to Engine Serial No. 281 5442.

F484-5

MANIFOLD, MUFFLER, AIR CLEANER



MANIFOLD, MUFFLER, AIR CLEANER

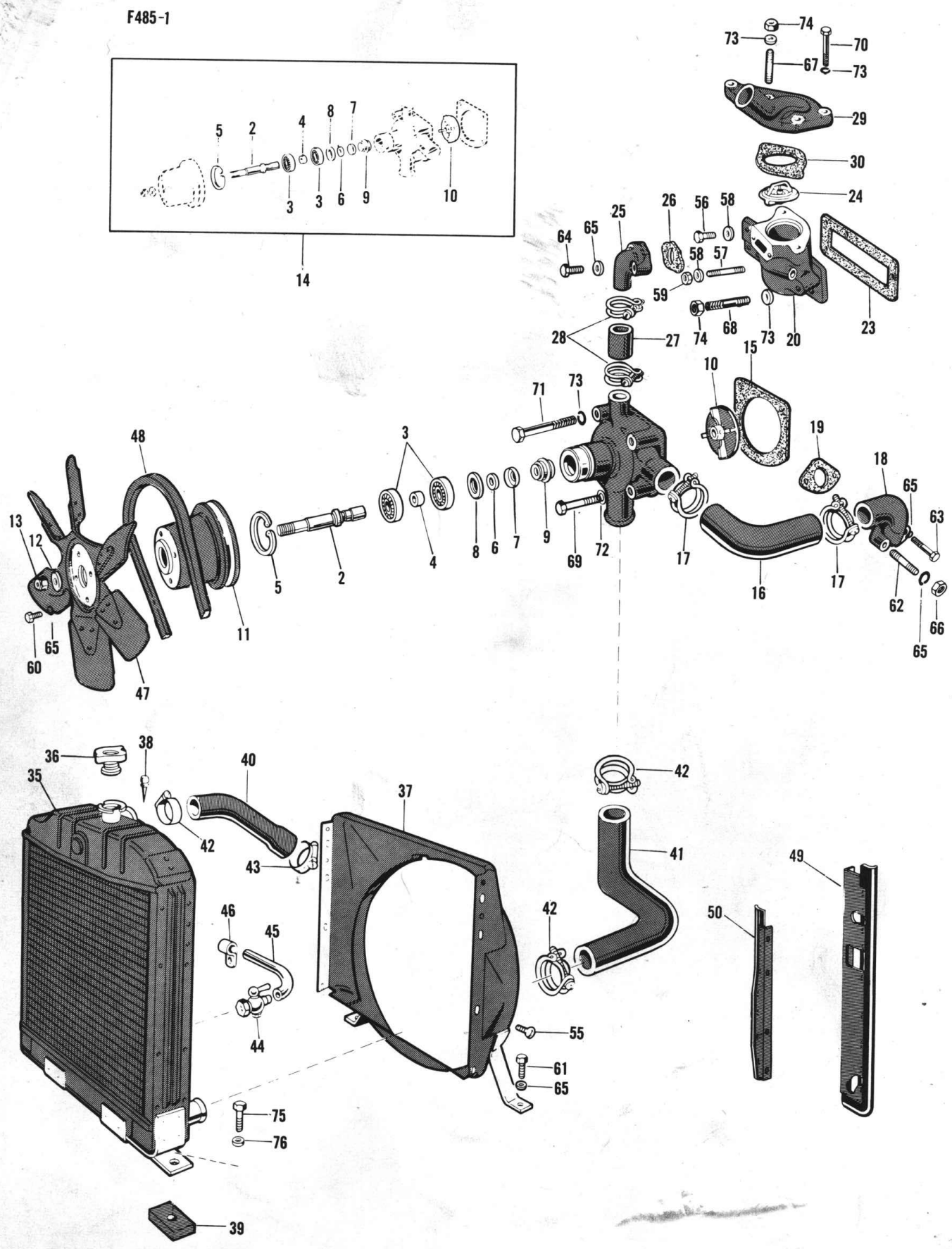
REGULAR DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1	731 157 M1	0540161	Manifold, Exhaust	1
2	731 158 M1	0490044	Gasket, Exhaust Manifold	2
3 (A)	731 672 M1	37787191	Manifold, Intake	1
4 (B)	731 159 M1	37786552	Manifold, Intake	1
5	731 160 M1	0490042	Gasket, Intake Manifold	1
6 (B)	731 162 M1	0201492	Body, Air Inlet	1
7 (B)	731 161 M1	0490703	Gasket, Air Inlet Body	1
8 (B)	643 389 M1	0650005	Plug, Air Inlet Body	1
9 (B)	1 650 476 M1	0920153	Washer, Plug	1
10	731 364 M1	0650204	Plug, Intake Manifold	1
11	731 338 M1	0920209	Washer, Plug	1
12	893 501 M91	2666103	Heater Assembly, Manifold	1
16	828 194 M91		Pipe Assembly, Exhaust	1
17	827 877 M1		Gasket, Exhaust Pipe to Manifold	1
18	186 886 M91		Muffler Assembly	1
19	187 271 M1		Clamp, Exhaust Pipe to Muffler	1
20	186 884 M1		Clamp, Muffler, Top (Standard)	1
21	186 885 M1		Clamp, Muffler, Bottom (Standard)	1
22	187 174 M1		Bracket (Row Crop)	1
38	186 961 M92		Cleaner Assembly, Air	1
39	1 754 957 M1		Cup, Oil, Inner	1
40	1 754 994 M1		Cup, Oil, Outer	1
41	1 001 329 M91		Clamp Assembly, Oil Cup Retaining	1
42	1 010 459 M1		Bolt, Clamp	1
43	186 621 M2		Seal, Air Cleaner	1
44 (E)	182 661 M1		Screen, Air Cleaner	1
45 (E)	182 662 M2		Clip, Screen Retaining	1
46 (C)	188 050 M1		Hose, Manifold to Air Cleaner	1
47 (C)	364 127 X1		Clamp, Hose	2
48 (D)	827 947 M1		Tube, Air Cleaner (Order 188 050 M1)	1
49 (D)	186 655 M1		Elbow, Air Cleaner to Tube	1
50 (D)	186 656 M1		Hose, Tube to Manifold	1
51 (D)	364 127 X1		Clamp, Hose	4
55 (E)	354 046 X1		Cotter Pin (3/32 x 1/2")	x
56	196 011 M1		Screw (#10 Self-Tapping)	x
57 (E)	353 753 X1		Washer (#10 Small Flat)	x
58	353 668 X1		Bolt (1/4 x 7/8" NC, Hex.)	x
59	353 441 X1		Washer (1/4" Lock)	x
60	355 564 X1		Nut (1/4" NC, Hex.)	x
61	353 517 X1		Bolt (5/16 x 3/4" NF, Hex.)	x
62	353 518 X1		Bolt (5/16 x 7/8" NF, Hex.)	x
63	353 679 X1		Bolt (5/16 x 1" NC, Hex.)	x
64	731 327 M1	0826232	Stud (5/16" NF x 1-1/2")	x
65	353 770 X1	0920003	Washer (5/16" Heavy Flat)	x
66	353 446 X1		Washer (5/16" Lock)	x
67	353 916 X1		Nut (5/16" NF, Hex.)	x
68	355 565 X1		Nut (5/16" NC, Hex.)	x
69	731 334 M1	0826459	Stud (3/8" NF x 1-5/16")	x
70 (B)	731 363 M1	0827810	Stud (3/8" NF x 1-3/8")	x
72 (B)	353 434 X1	0920054	Washer (3/8" Lock)	x
73 (B)	353 431 X1	0576051	Nut (3/8" NF, Hex.)	x
74	353 431 X1		Nut (3/8" NF, Hex., Brass)	x
75 (B)	348 082 X1	0096638	Bolt (7/16 x 3" NF, Hex.)	x
76 (B)	348 083 X1	0096640	Bolt (7/16 x 3-1/2" NF, Hex.)	x
77 (A)	348 081 X1	0096637	Bolt (7/16 x 2-3/4" NF, Hex.)	x
78	376 043 X1	0920055	Washer (7/16" Lock)	x

Notes: (A) - Used on Engine Serial Number 280 6671 and up.
(B) - Used prior to Engine Serial Number 280 6671.
(C) - Used Tractor Serial Number 675402 and up.
(D) - Used prior to Tractor Serial Number 675402.
(E) - Used prior to Tractor Serial Number 685394.

RADIATOR AND ATTACHING PARTS, WATER PUMP

F485-1



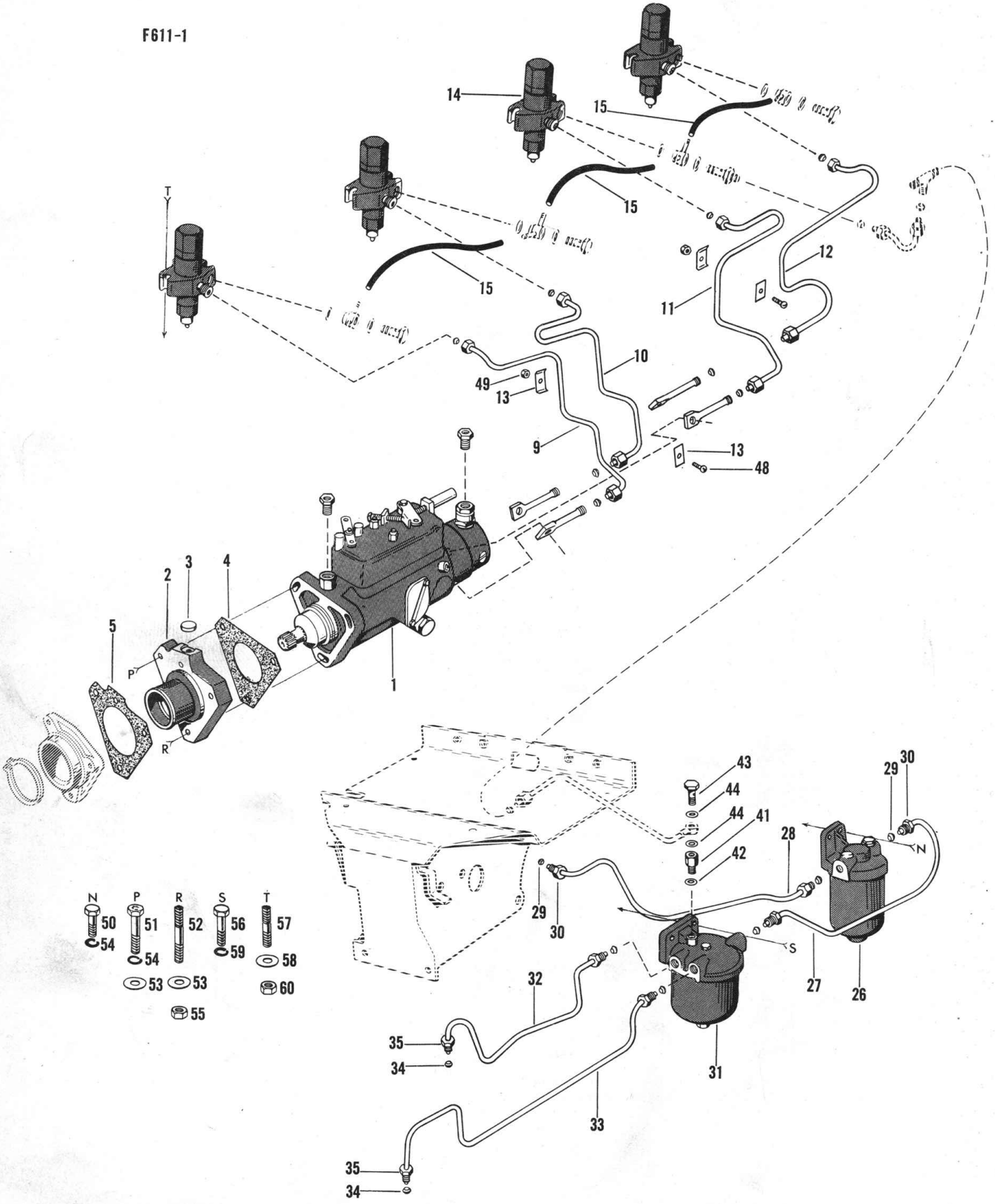
RADIATOR AND ATTACHING PARTS, WATER PUMP

REGULAR DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
(A)	731 807 M92	41312063	Pump Assembly, Water	1
(B)	731 638 M91	0994658	Pump Assembly, Water (Order 731 807 M92)	1
2 (A)	731 806 M1	32753412	Shaft, Water Pump	1
2 (B)	731 167 M1	0750368	Shaft, Water Pump	1
3	1 851 748 M1	0040057	Bearing, Water Pump	2
4	731 168 M1	0330927	Spacer, Bearing	1
5	375 723 X1	0170046	Ring, Snap, Bearing Retaining	1
6	735 096 M1	33813114	Seal, Pump Bearing	1
7	731 169 M1	0380098	Housing, Felt Seal	1
8	731 171 M1	0380164	Retainer, Felt Seal	1
9	892 563 M1	2415207	Seal, Water Pump (Carbon)	1
10	731 172 M1	0460030	Impeller	1
11 (A)	731 805 M1	31146582	Pulley, Water Pump	1
11 (B)	731 173 M1	0670310	Pulley, Water Pump	1
12	353 758 X1	0920007	Washer, Pulley (1/2" Lock)	1
13	357 561 X1	0576103	Nut, Pulley (1/2" NF, Special)	1
14 (A)	732 591 M91	59140	Repair Kit, Water Pump	1
14 (B)	731 709 M91	58266	Repair Kit, Water Pump	1
15	731 165 M1	0490690	Gasket, Pump to Timing Gear Cover	1
16	731 174 M1	0201562	Hose, to Cylinder Block Connection	1
17	832 713 M1	2481817	Clamp, Hose	2
18	731 053 M1	0201373	Connection, Hose (at Block)	1
19	731 052 M1	0490692	Gasket, Connection	1
20	731 132 M1	37766262	Body, Thermostat	1
23	731 131 M1	0490701	Gasket, Thermostat Body	1
24	890 991 M91	33873	Thermostat Assembly	1
25	731 134 M1	0201390	Connection, Thermostat Body to Water Pump	1
26	731 135 M1	0490702	Gasket, Connection	1
27	731 136 M1	0200080	Hose, By-Pass	1
28	832 713 M1	0180107	Clamp, Hose	2
29	731 193 M1	0201364	Connection, Water Outlet	1
30	731 133 M1	0490707	Gasket, Water Outlet Connection	1
35	186 733 M91		Radiator Assembly	1
36	180 224 M91		Cap Assembly, Radiator	1
37	828 150 M2		Shroud Assembly, Radiator	1
38	180 673 M1		Bumper, Hood	1
39	182 318 M1		Pad, Radiator	2
40	186 654 M1		Hose, Radiator, Upper	1
41	187 554 M1		Hose, Radiator, Lower	1
42	832 713 M1		Clamp, Hose	3
43	364 126 X1		Clamp, Hose	1
44	182 698 M1		Cock, Drain, Radiator (Order 763 716 M1)	1
45	827 932 M1		Hose, Radiator Drain	1
46	828 216 M1		Clip, Drain Hose	1
47	186 697 M91		Fan Assembly	1
48	186 750 M2		Belt, Fan	1
49	186 618 M91		Seal Assembly, Radiator, Left Hand Side (Order 832 639 M91)	1
50	182 447 M91		Seal Assembly, Radiator, Right Hand Side	1
55	195 448 M1		Screw (#10 x 3/8" Self-Tapping)	x
56	353 503 X1	0746053	Bolt (1/4 x 3/4" NF, Hex.)	x
57	731 324 M1	0826011	Stud (1/4" NF x 2-7/8")	x
58	353 441 X1	0920052	Washer (1/4" Lock)	x
59	353 918 X1	0576001	Nut (1/4" NF, Hex.)	x
60	353 516 X1		Bolt (5/16 x 5/8" NF, Hex.)	x
61	353 676 X1		Bolt (5/16 x 5/8" NC, Hex.)	x
62	731 311 M1	0826203	Stud (5/16" NF x 1-1/16")	x
63	353 527 X1	0096236	Bolt (5/16 x 2" NF, Hex.)	x
64	348 272 X1	0746258	Bolt (5/16 x 1-1/4" NF, Hex.)	x
65	353 446 X1	0920053	Washer (5/16" Lock)	x
66	353 916 X1	0576002	Nut (5/16" NF, Hex.)	x
67	731 323 M1	0826466	Stud (3/8" NF x 1-3/16")	x
68	731 569 M1	0826477	Stud (3/8" NF x 1-7/8")	x
69	375 726 X1	0746460	Bolt (3/8 x 1-7/8" NF, Hex.)	x
70	353 550 X1	0096439	Bolt (3/8 x 2-1/2" NF, Hex.)	x
71	353 554 X1	0096441	Bolt (3/8 x 3" NF, Hex.)	x
72	375 728 X1	0920109	Washer (25/64 x 11/16 x 1/16")	x
73	353 434 X1	0920054	Washer (3/8" Lock)	x
74	353 431 X1	0576051	Nut (3/8" NF, Hex.)	x
75	353 698 X1		Bolt (7/16 x 1" NC, Hex.)	x
76	353 432 X1		Washer (7/16" Lock)	x

Notes: (A) - Used Engine Serial Number 2806843 and up.
(B) - Used prior to Engine Serial Number 2806843.

INJECTION PUMP AND LINES, FUEL FILTERS

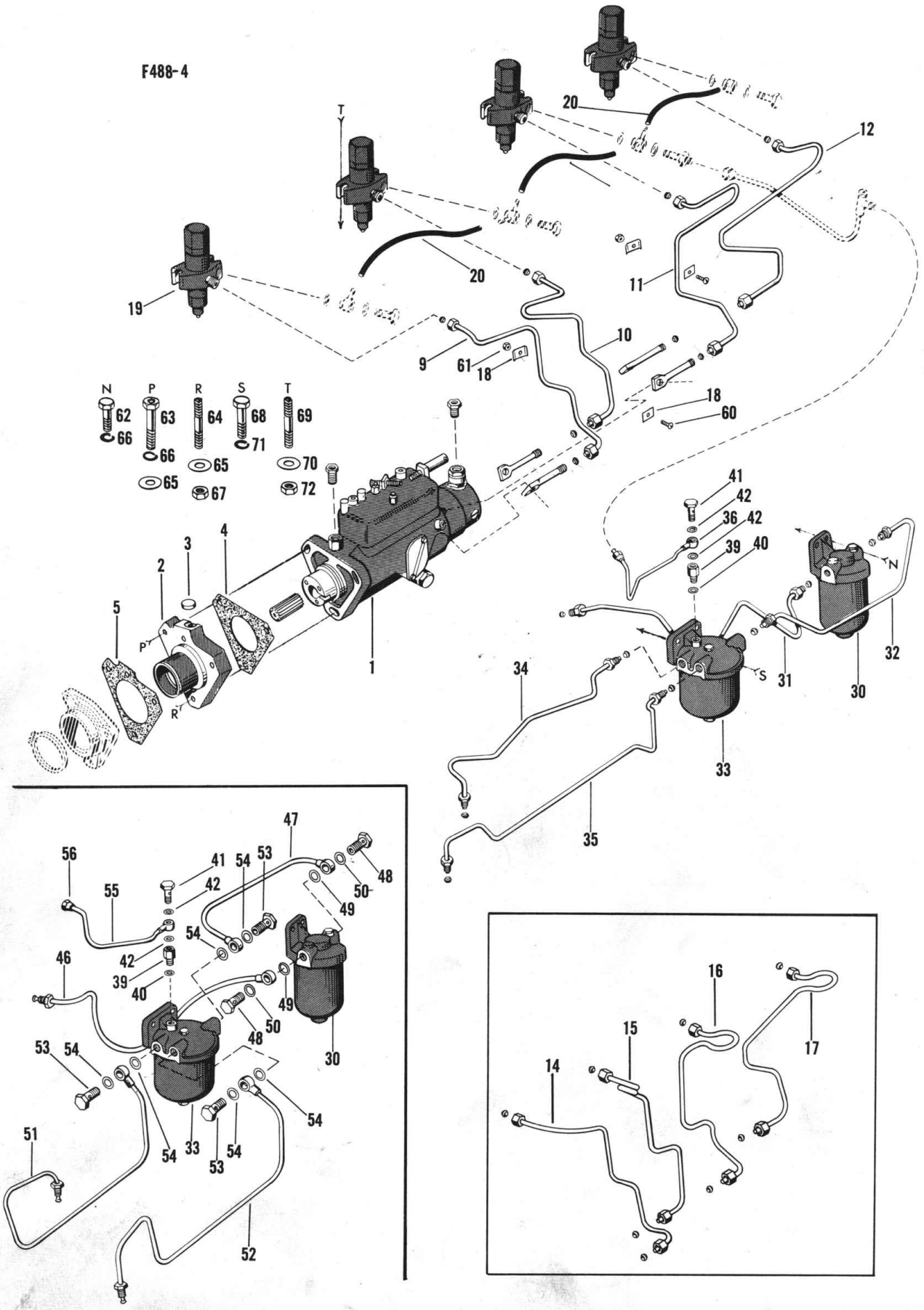


INJECTION PUMP AND LINES, FUEL FILTERS

REGULAR DIESEL

(USED TRACTOR SERIAL NO. 677170 AND UP)

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1			Pump Assembly, Injection (See Page 129)	1
2	731 177 M1	0450036	Support, Injection Pump	1
3	731 386 M1	0650599	Plug, Support (1/4" Cup Type)	1
4	731 176 M1	0490685	Gasket, Pump to Support	1
5	731 178 M1	0490706	Gasket, Support to Housing	1
9	731 739 M91	35355195	Line Assembly, Injection Pump to No. 1 Cylinder	1
10	731 740 M91	35355196	Line Assembly, Injection Pump to No. 2 Cylinder	1
11	731 741 M91	35355197	Line Assembly, Injection Pump to No. 3 Cylinder	1
12	731 742 M91	35355198	Line Assembly, Injection Pump to No. 4 Cylinder	1
13	636 936 M1	0180637	Clip, Injection Pump Lines	4
14			Nozzle Assembly, Injection (See Page 125)	4
15			Line, Leak-off (See Page 123)	1
26			Filter Assembly, Primary (See Page 125)	1
27	189 174 M91		Line Assembly, Primary to Secondary Filter (Incl. Items #29 and #30)	1
28	189 197 M91		Line Assembly, Primary Filter to Fuel Pump (Incl. Items #29 and #30)	1
29	731 563 M1		Sleeve, Fuel Lines	2
30	827 286 M1		Nut, Union	2
31			Filter Assembly, Secondary (See Page 127)	1
32	189 199 M91		Line Assembly, Secondary Filter to Injection Pump (Incl. Items #34 and #35)	1
33	189 193 M91		Line Assembly, Injection Pump to Secondary Filter (Incl. Items #34 and #35)	1
34	375 751 X1		Sleeve, Fuel Lines	1
35	1 851 802 M2		Nut, Union	1
41	890 972 M91		Valve Assembly, Non-Return	1
42	375 794 X1		Washer, Valve (Metal)	1
43	731 352 M1		Bolt, Filter Leak-off Line (Banjo Type)	1
44	731 353 M1		Washer, Leak-off Bolt (13/32 x 19/32 x 3/64" Fiber)	2
48	375 729 X1	0726264	Screw (#10 - 32 x 7/8" Rd. Hd.)	x
49	375 730 X1	0571350	Nut (#10 - 32 Hex.)	x
50	353 518 X1		Bolt (5/16 x 7/8" NF, Hex.)	x
51	375 767 X1	0720805	Screw (5/16 x 1-3/4" NF, Sckt. Hd.)	x
52	733 038 M1	0826254	Stud (5/16" NF x 2-3/16")	x
53	353 770 X1	0920003	Washer (Heavy Flat)	x
54	353 446 X1		Washer (5/16" Lock)	x
55	353 916 X1	0576002	Nut (5/16" NF, Hex.)	x
56	353 539 X1		Bolt (3/8 x 1-1/8" NF, Hex.)	x
57	731 366 M1	32754411	Stud (7/16" - 3/8" NF x 5-11/16")	x
58	375 706 X1	0920004	Washer (3/8 x 5/8 x 5/64")	x
59	353 434 X1		Washer (3/8" Lock)	x
60	353 431 X1	0576051	Nut (3/8" NF, Hex.)	x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INJECTION PUMP AND LINES, FUEL FILTERS

REGULAR DIESEL

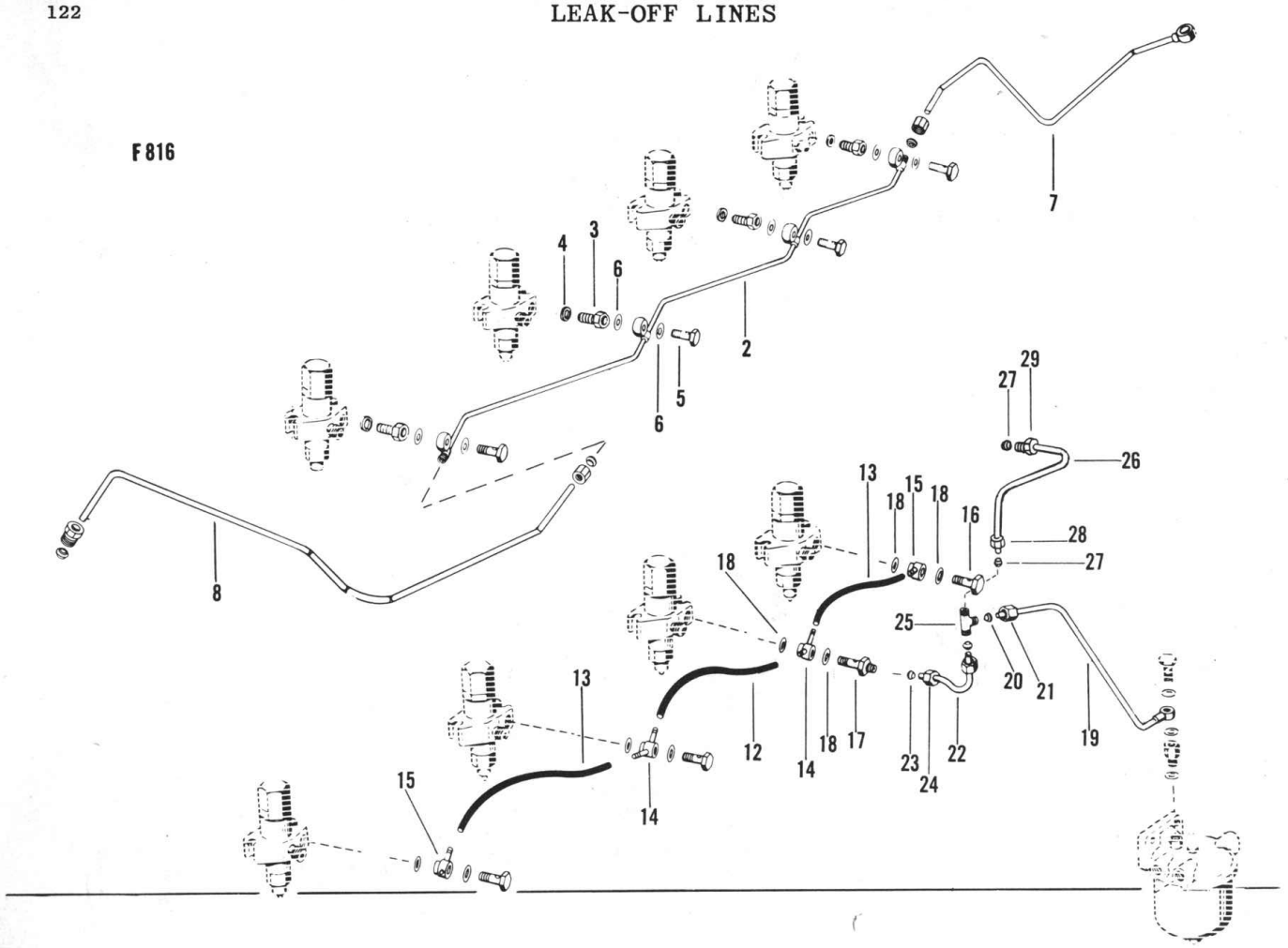
(USED PRIOR TO TRACTOR SERIAL NO. 677170)

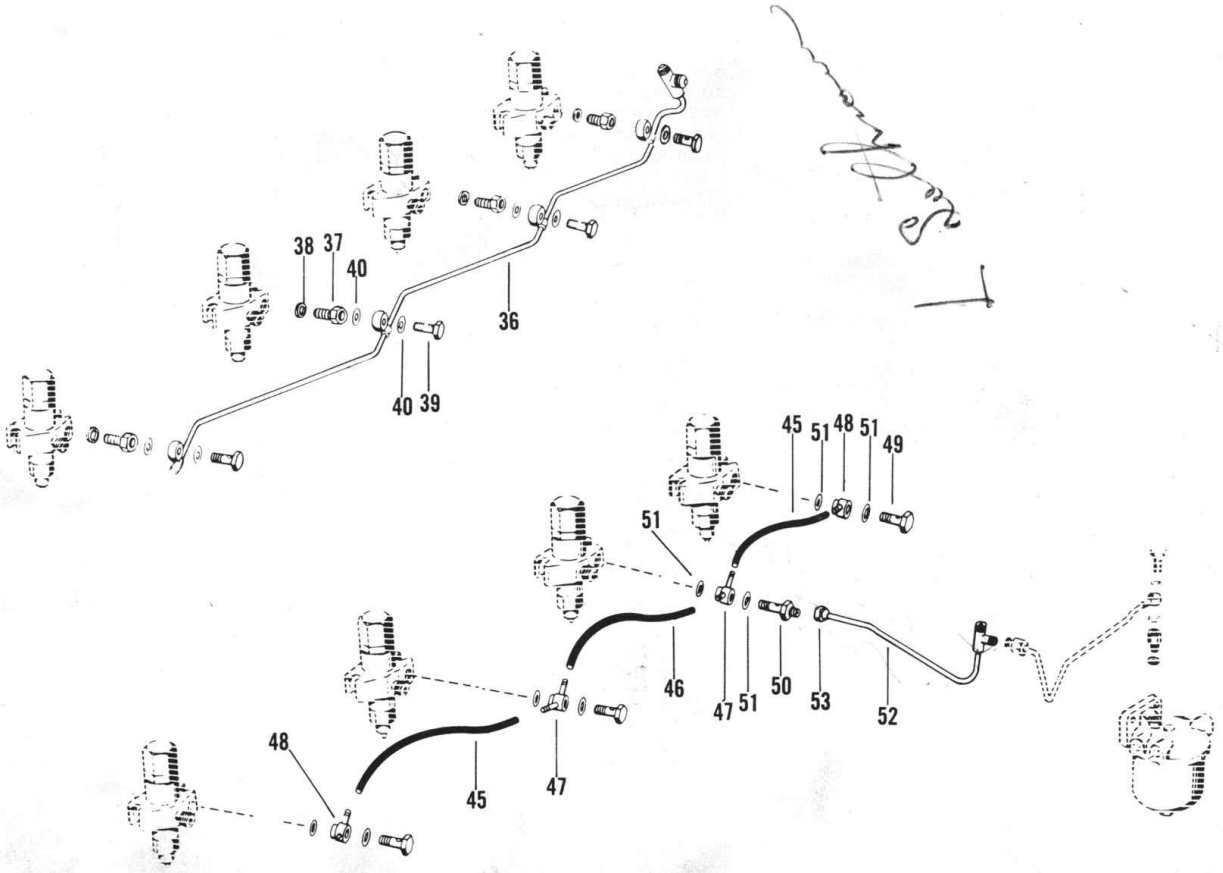
Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1			Pump Assembly, Injection (See Page 129).....	1
2	731 177 M1	0450036	Support, Injection Pump.....	1
3	731 386 M1	0650599	Plug, Support (1/4" Cup Type).....	1
4	731 176 M1	0490685	Gasket, Pump to Support.....	1
5	731 178 M1	0490706	Gasket, Support to Housing.....	1
9 (A)	731 739 M91	35355195	Line Assembly, No. 1 Cylinder.....	1
10 (A)	731 740 M91	35355196	Line Assembly, No. 2 Cylinder.....	1
11 (A)	731 741 M91	35355197	Line Assembly, No. 3 Cylinder.....	1
12 (A)	731 742 M91	35355198	Line Assembly, No. 4 Cylinder.....	1
14 (B)	731 182 M91	35355192	Line Assembly, No. 1 Cylinder.....	1
15 (B)	731 183 M91	35357143	Line Assembly, No. 2 Cylinder.....	1
16 (B)	731 184 M91	35355193	Line Assembly, No. 3 Cylinder.....	1
17 (B)	731 185 M91	35355194	Line Assembly, No. 4 Cylinder.....	1
18	636 936 M1	0180637	Clip, Injection Pump Lines.....	4
19			Nozzle Assembly, Injection (See Page 125).....	4
20			Line, Leak-off (See Page 123).....	x
30			Filter Assembly, Primary (See Page 125).....	1
31 (E)	891 314 M91		Line Assembly, Fuel Pump to Primary Filter.....	1
32 (E)	891 317 M91		Line Assembly, Primary to Secondary Filter.....	1
33			Filter Assembly, Secondary (See Page 127).....	1
34 (E)	891 320 M92		Line Assembly, Secondary Filter to Injection Pump.....	1
35 (E)	891 323 M91		Line Assembly, Injection Pump to Secondary Filter.....	1
36 (E)	891 312 M91		Line Assembly, Leak-off, Secondary Filter to Junction...	1
39 (E)	890 972 M91		Valve Assembly, Non-Return.....	1
40 (E)	375 794 X1		Washer, Valve (Metal).....	1
41	731 352 M1		Bolt, Filter Leak-off Line (Banjo Type).....	1
42	731 353 M1		Washer, Leak-off Bolt (13/32 x 19/32 x 3/64" Fiber).....	2
46 (F)	827 984 M91		Line Assembly, Fuel Pump to Primary Filter.....	1
47 (F)	827 609 M91		Line Assembly, Primary to Secondary Filters.....	1
48 (F)	731 803 M1		Bolt, Fuel Lines (For Primary Filter)(1/2" NF x 1").....	2
49 (F)	825 299 M1		Washer, Inner (33/64 x 3/4 x 1/16" Fiber).....	2
50 (F)	825 293 M1		Washer, Outer (41/64 x 7/8 x 1/16" Fiber).....	2
51 (F)	827 986 M92		Line Assembly, Secondary Filter to Injection Pump.....	1
52 (F)	827 988 M92		Line Assembly, Injection Pump to Secondary Filter.....	1
53 (F)	731 290 M1		Bolt, Fuel Lines (for Secondary Filter) (1/2" NF x 1-5/16").....	3
54 (F)	731 338 M1	0920209	Washer (17/32 x 23/32 x 3/32" Copper Asbestos).....	6
55 (F)	827 990 M93		Line Assembly, Leak-off to Junction.....	1
56	375 800 X1		Nut, Leak-off Line.....	1
60	375 729 X1	0726264	Screw (#10 - 32 x 7/8" Rd. Hd.).....	x
61	375 730 X1	0571350	Nut (#10 - 32 Hex.).....	x
62	353 518 X1		Bolt (5/16 x 7/8" NF, Hex.).....	x
63	375 767 X1	0720805	Screw (5/16 x 1-3/4" NF, Sckt. Hd.).....	x
64	733 038 M1	0826254	Stud (5/16" NF x 2-3/16").....	x
65	353 770 X1	0920003	Washer (Heavy Flat).....	x
66	353 446 X1		Washer (5/16" Lock).....	x
67	353 916 X1	0576002	Nut (5/16" NF, Hex.).....	x
68	353 537 X1		Bolt (3/8 x 1-1/8" NF, Hex.).....	x
69	731 366 M1	32754411	Stud (7/16" - 3/8" NF x 5-11/16").....	x
70	375 706 X1	0920004	Washer (3/8 x 5/8 x 5/64").....	x
71	353 434 X1		Washer (3/8" Lock).....	x
72	353 431 X1	0576051	Nut (3/8" NF, Hex.).....	x

Notes: (A) - Used Engine Serial No. 280 2116 and up.
(B) - Used prior to Engine Serial No. 280 2116.
(E) - Used Tractor Serial No. 676796 and up.
(F) - Used prior to Tractor Serial No. 676796.

LEAK-OFF LINES

F816





LEAK-OFF LINES

REGULAR DIESEL

USED W/17 GALLON FUEL TANK

Ref. No.		MF Numbers	Perkins No.	Description	No. Req.
	(A)	841 506 M91		Leak-off Line Kit	1
2		733 282 M91	35587334	Line Assembly, Leak-off (to Injection Nozzles)	1
3		731 611 M1	0201510	Union, Leak-off Line	4
4		731 612 M1	0920607	Washer, Leak-off Line Union	4
5		731 567 M1	0095315	Bolt, Leak-off Line Connector (Banjo Type)	4
6		375 798 X1	0920148	Washer, Leak-off Line Connector Bolt	8
7		189 522 M91		Line Assembly, Leak-off Line to Primary Filter	1
8		189 524 M91		Line Assembly, Leak-off Line to Reserve Fuel Tank	1
12	(B)	731 961 M1	0623922	Line, Leak-off (#2 to #3 Connectors)	1
13	(B)	731 962 M1	0623923	Line, Leak-off (#1 and #4 Connectors)	2
14	(B)	731 186 M1	31726181	Connector, Leak-off Lines (#2 and #3 Nozzles)	2
15	(B)	731 187 M1	31721221	Connector, Leak-off Lines (#1 and #4 Nozzles)	2
16	(B)	732 604 M1	32152107	Bolt, Connector (#1, #2 and #4 Nozzles) (Banjo Type) (Order 731 341 M1)	3
17	(B)	732 605 M1	33555331	Bolt, Connector (#3 Nozzle) (Special Banjo Type)	1
18	(B)	732 606 M1	0920499	Washer, Leak-off Bolt	4
18	(B)	732 607 M1	0921501	Washer, Leak-off Bolt (13/32 x 5/8 x 3/64" Aluminum)	4
19	(B)	189 162 M91		Line Assembly, Leak-off, Tee to Secondary Filter (Order 189 522 M91)	1
20		22 114 X		Sleeve, Leak-off Line	1
21		22 113 X		Nut, Union	1
22	(B)	189 156 M91		Line Assembly, Leak-off, #3 Nozzle to Tee	1
23		22 114 X		Sleeve, Leak-off Line	2
24		22 113 X		Nut, Union	2
25	(B)	188 680 M1		Tee, Leak-off Lines	1
26	(B)	189 154 M91		Line Assembly, Reserve Tank to Leak-off Line Tee (Order 189 524 M91)	1
27		22 114 X		Sleeve, Line	2
28		22 113 X		Nut, Union (at Tee)	1
29		195 442 M1		Nut, Union (at Reserve Tank)	1

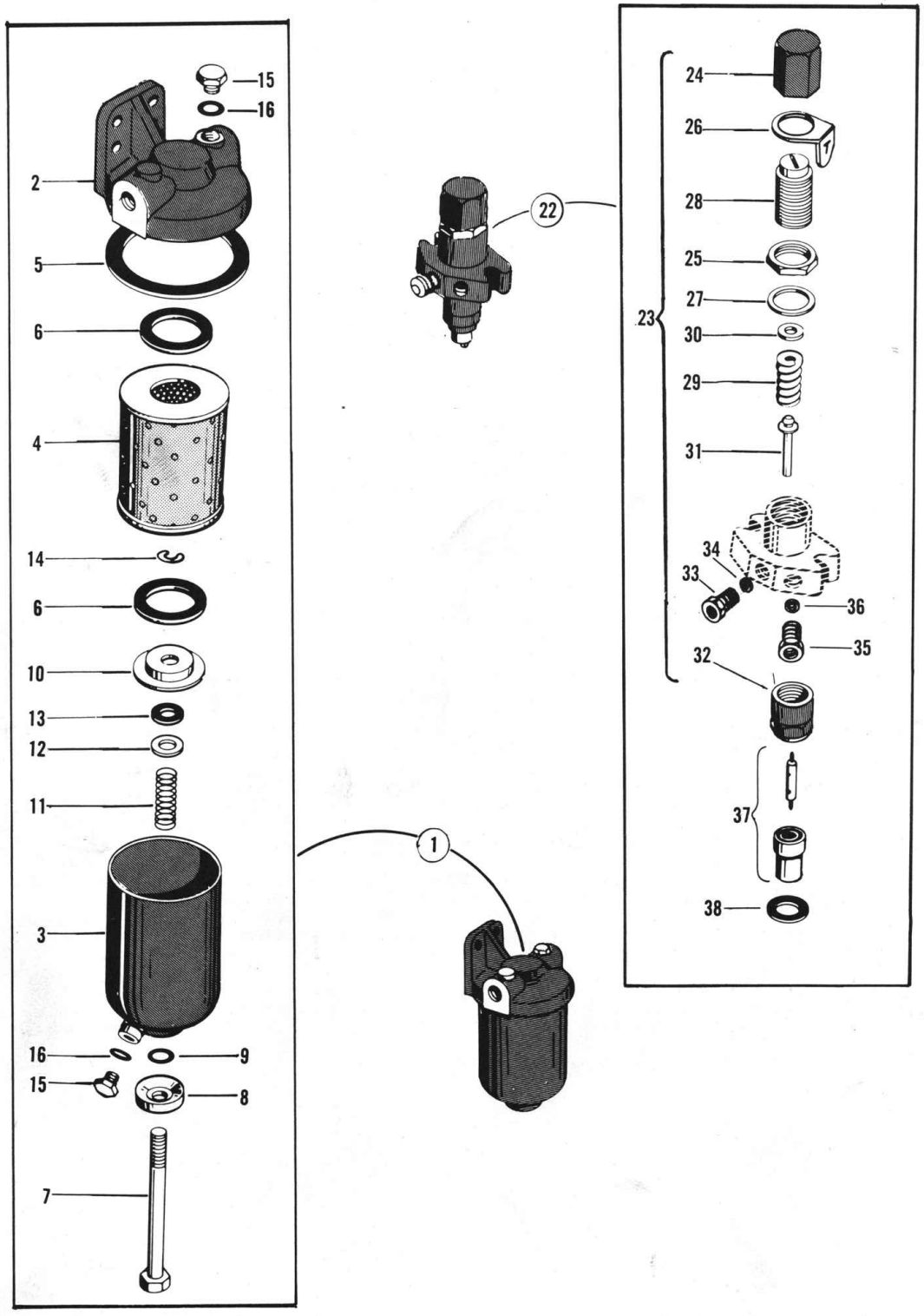
USED W/13 GALLON FUEL TANK

	(C)	733 281 M91	41264008	Leak-off Line Kit	1
36		731 622 M91	0999250	Line Assembly, Leak-off (to Injection Nozzles)	1
37		731 611 M1	0201510	Union, Leak-off Line	4
38		731 612 M1	0920607	Washer, Leak-off Line Union	4
39		731 567 M1	0095315	Bolt, Leak-off Line Connector (Banjo Type)	4
40		375 798 X1	0920148	Washer, Leak-off Line Connector Bolt	8
45		731 188 M1	0623777	Line, Leak-off (#1 and #4 Connectors) (Order 731 962 M1)	2
46		731 189 M1	0623771	Line, Leak-off (#2 to #3 Connectors) (Order 731 961 M1)	1
47		731 186 M1	31726181	Connector, Leak-off Lines (#2 and #3 Nozzles)	2
48		731 187 M1	31721221	Connector, Leak-off Lines (#1 and #4 Nozzles)	2
49	(D)	732 604 M1	32152107	Bolt, Connections (10 MM x 31/32") (Order 731 341 M1)	3
49	(E)	731 341 M1	32152106	Bolt, Connections (10 MM x 29/32")	3
50	(D)	732 605 M1	33555331	Bolt, Connections (10 MM x 1-7/16")	1
50	(E)	731 342 M1	33555328	Bolt, Connections (10 MM x 1-3/8") (Order 1 - 732 605 M1, 1 - 732 606 M1 and 1 - 732 607 M1)	1
51	(D)	732 607 M1	0921501	Washer, Leak-off Connections	4
51	(D)	732 606 M1	0920499	Washer, Leak-off Connections	4
52		731 734 M91		Line Assembly, Leak-off Junction (to #3 Nozzle)	1
53		375 800 X1		Nut, Leak-off Line	1

Notes: (A) - Used Engine Serial No. 2814847 and up. (Tractor Serial No. 680 321)
(B) - Used prior to Engine Serial No. 2814847. (Tractor Serial No. 680 321)
(C) - Never used in production, will repair section type Leak-off Line and Connectors.
(D) - Used Engine Serial No. 2814257 and up.
(E) - Used prior to Engine Serial No. 2814257.

PRIMARY FILTER, INJECTION NOZZLES

F749-2



PRIMARY FILTER

REGULAR DIESEL

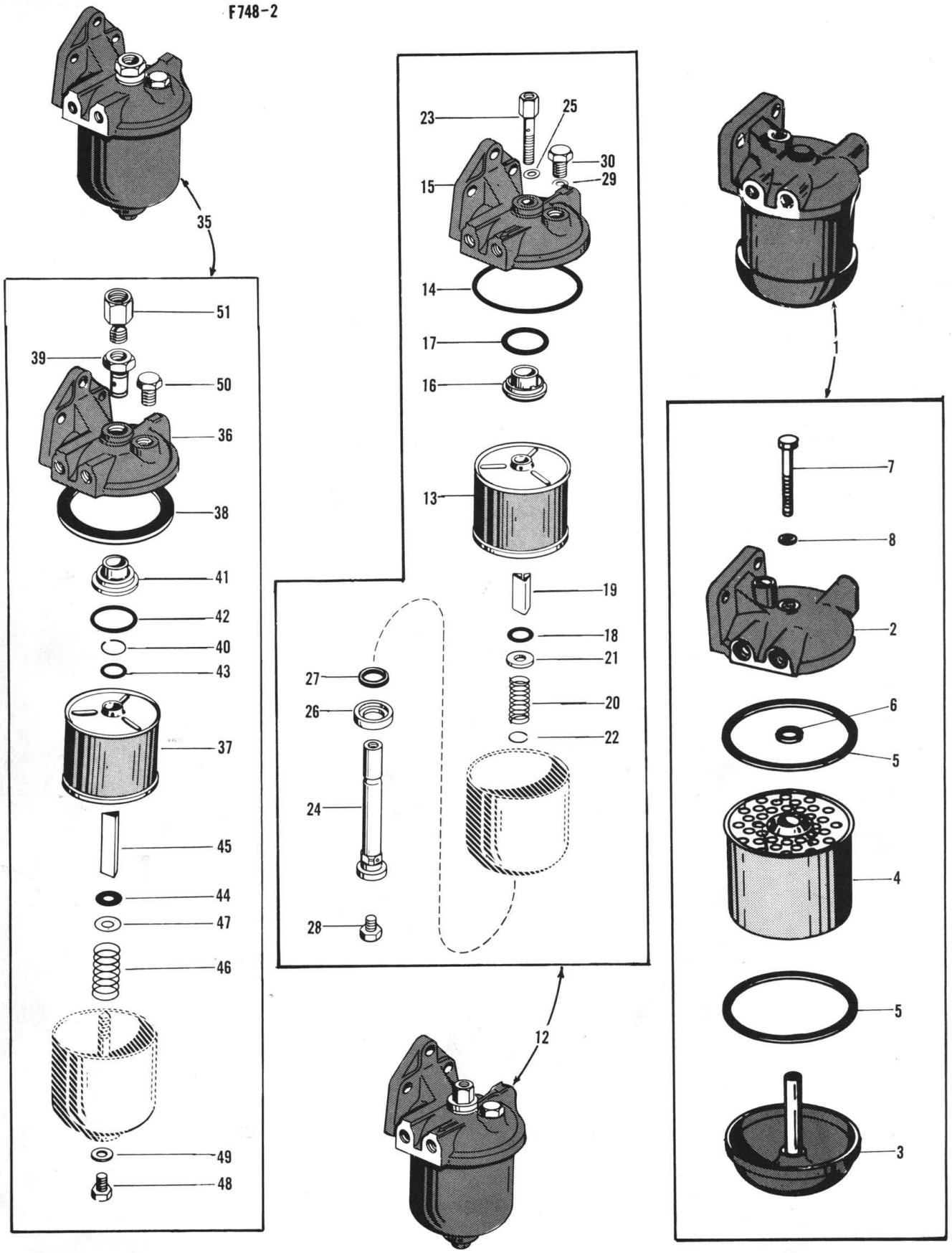
Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1	890 971 M91	2626754	Filter Assembly	1
2	1 851 842 M1	26560020	Head, Filter	1
3	1 850 931 M91	35624	Body Assembly, Filter	1
4	1 850 450 M1	32327	Element Assembly, Filter	1
5	1 850 933 M1	0490782	Gasket, Body to Head	1
6	1 850 934 M1	0490783	Gasket, Element Ends	2
7	1 850 935 M1	0095392	Bolt, Center, Cap to Body	1
8	1 851 843 M1	26560021	Retainer, Oil Seal	1
9	1 015 319 M1	0730159	Seal, Oil, Body	1
10	1 850 932 M1	0941235	Plate, Element, Lower	1
11	827 458 M1	0780315	Spring, Tension, Element	1
12	827 455 M1	0921346	Washer, Spring	1
13	827 454 M1	0921345	Seal, Oil, Element Plate	1
14	1 850 938 M1	0170164	Ring, Snap, Center Bolt Retaining	1
15	1 650 192 M1	0650668	Plug, Filter Bleed and Drain	2
16	1 650 193 M1	0490532	Washer, Plug	2

INJECTOR NOZZLES

22	733 648 M91	2646151	Nozzle Assembly, Injector	4
23	1 851 761 M91	2646410	Holder Assembly, Nozzle	1
24	1 015 211 M1		Cap, Injector Nozzle	1
25	1 015 214 M1		Nut, Lock, Nozzle Cap	1
26	1 028 289 M1		Washer, Tab (Pressure Indicating)	1
27	1 015 212 M1		Washer, Nut to Body	1
28	1 015 213 M1		Screw, Pressure Spring Adjusting	1
29	1 015 215 M1		Spring, Pressure	1
30	1 009 829 M1		Washer, Pressure Spring	1
31	1 015 216 M1		Spindle	1
32	1 015 217 M1		Nut, Nozzle Cap	1
33	1 015 218 M1		Connection, Fuel Line	1
34	1 015 219 M1		Seat, Fuel Line Connector	1
35	731 611 M1	0201510	Union, Leak-off Line	1
36	731 612 M1	0920607	Washer, Leak-off Line Union	1
37	1 851 744 M1	31990	Nozzle, Injector (Atomizer)	1
38	826 218 M1	0920113	Washer, Injector Nozzle Seat	1

SECONDARY FILTERS

F748-2



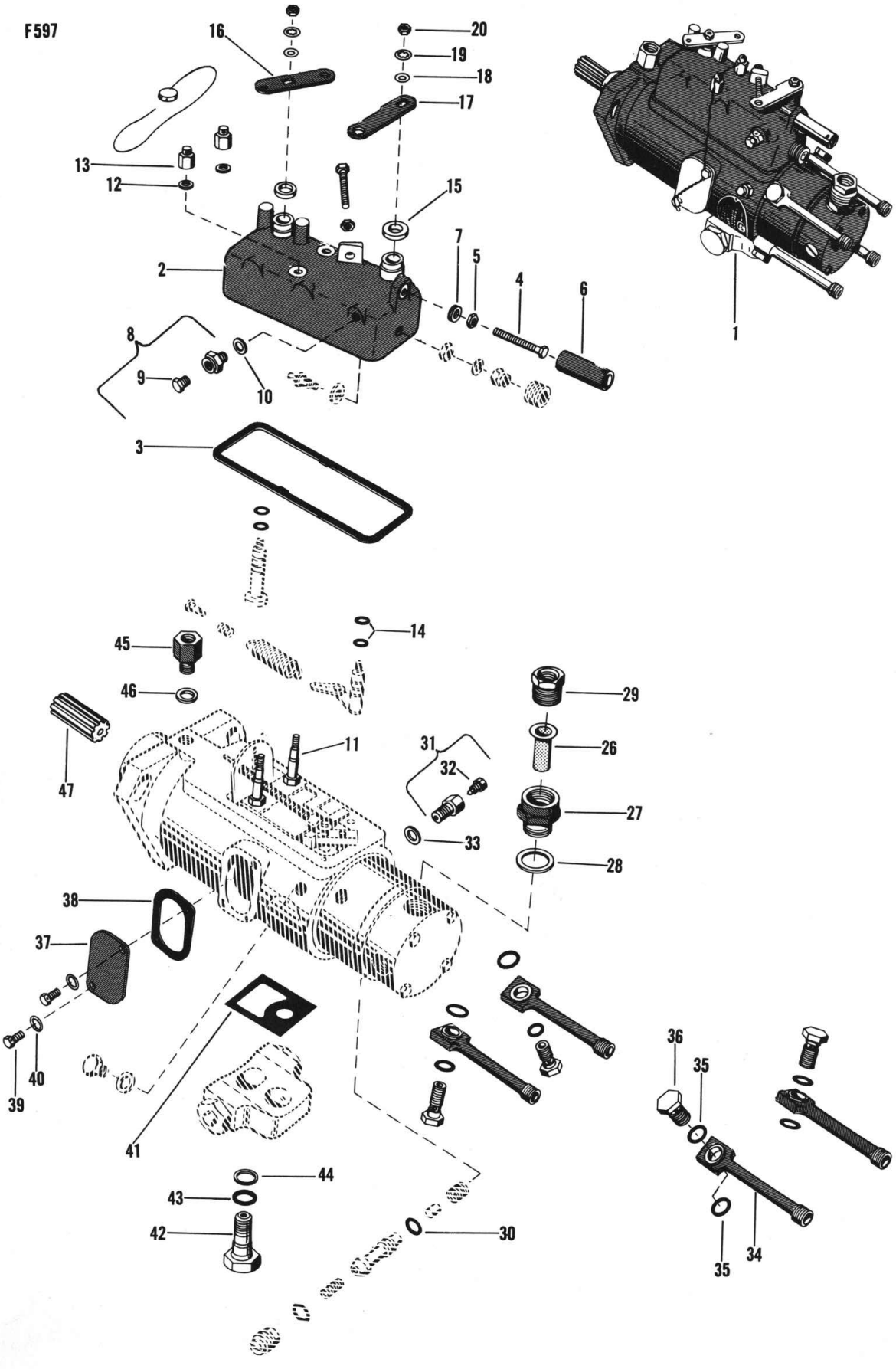
SECONDARY FILTERS

REGULAR DIESEL

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1 (A)	890 976 M91	2656621	Filter Assembly	1
2			Head, Filter (Order 890 976 M91)	1
3	891 797 M91	26560039	Base Assembly, Filter	1
4	1 851 890 M1	26560017	Element Kit	1
5	1 851 891 M1	0490786	Seal, Element (Large)	2
6	1 851 887 M1	26560014	Seal, Element (Small) (In Head)	1
7	1 024 060 M1	26560053	Bolt, Head to Base	1
8	1 851 889 M1	26560016	Washer, Head Bolt	1
12 (B)	890 961 M91	35532	Filter Assembly (F4B-2)	1
13 (D)	1 012 006 M2	31944	Element Assembly	1
14	1 015 221 M1	0490752	Gasket, Head to Body	1
15	1 028 653 M1		Head, Filter	1
16	1 851 895 M1	26560023	Collar, Element Hold-Down	1
17	1 015 225 M1	0640122	"O" Ring, Collar	1
18	1 851 896 M1	26560024	"O" Ring, Element Sealing, Lower	1
19 (D)	1 851 905 M1	26560032	Sleeve, Element Centering	1
20	1 851 901 M1	26560029	Spring, Element Tension	1
21	1 024 393 M1		Washer, Element Centering	1
22	1 851 906 M1	26560033	Ring, Snap, Center Bolt Retaining	1
23	1 851 909 M1	26560036	Check Valve Assembly, Cover Bolt	1
24	1 024 388 M1		Bolt, Center	1
25	1 851 908 M1	26560035	Washer, Center Bolt	1
26	1 851 899 M1	26560027	Cup, Filter Base	1
27	1 851 900 M1	26560028	"O" Ring, Base Cup Sealing	1
28	1 851 902 M1	26560030	Bolt, Drain, Filter Base	1
29	1 851 889 M1	26560016	Washer, Cover Vent Plug	1
30	1 851 904 M1	26560031	Plug, Vent (In Cover)	1
35 (C)	890 970 M91	33425	Filter Assembly (F4-2) (Order 890 961 M91)	1
36			Head, Filter (Order 890 961 M91)	1
37 (D)	1 012 006 M2	31944	Element Assembly	1
38	1 015 221 M1	0490752	Gasket, Head to Body	1
39	1 015 222 M1	0571395	Nut, Cover Retaining	1
40	1 015 224 M1	0170157	Ring, Snap, Cover Nut Retaining	1
41	1 015 223 M1	090120	Collar, Element Hold-Down	1
42	1 015 225 M1	0640122	"O" Ring, Collar	1
43	1 015 226 M1	0640104	"O" Ring, Element Sealing, Upper	1
44	1 024 396 M1	0490586	"O" Ring, Element Sealing, Lower	1
45 (D)	1 015 227 M1	0770074	Sleeve, Element Centering	1
46	1 015 233 M1	0780031	Spring, Element Tension	1
47	1 015 229 M1	0921047	Washer, Spring Seat	1
48	1 015 230 M1	0650744	Plug, Drain, Filter Base	1
49	1 015 231 M1	0920997	Washer, Drain Plug	1
50	1 015 232 M1	0650743	Plug, Vent (In Cover)	1
51	1 015 529 M1	33423	Check Valve Assembly	1

Notes: (A) - Used Engine Serial No. 280 4593 and up.
(B) - Used Engine Serial No. 280 2910 to 280 4593.
(C) - Used prior to Engine Serial No. 280 2910.
(D) - Centering Sleeves used some early Model Filters; Modified Filter Element 1 012 006 M2 deleted Centering Sleeve Requirements.

INJECTION PUMP



REGULAR DIESEL

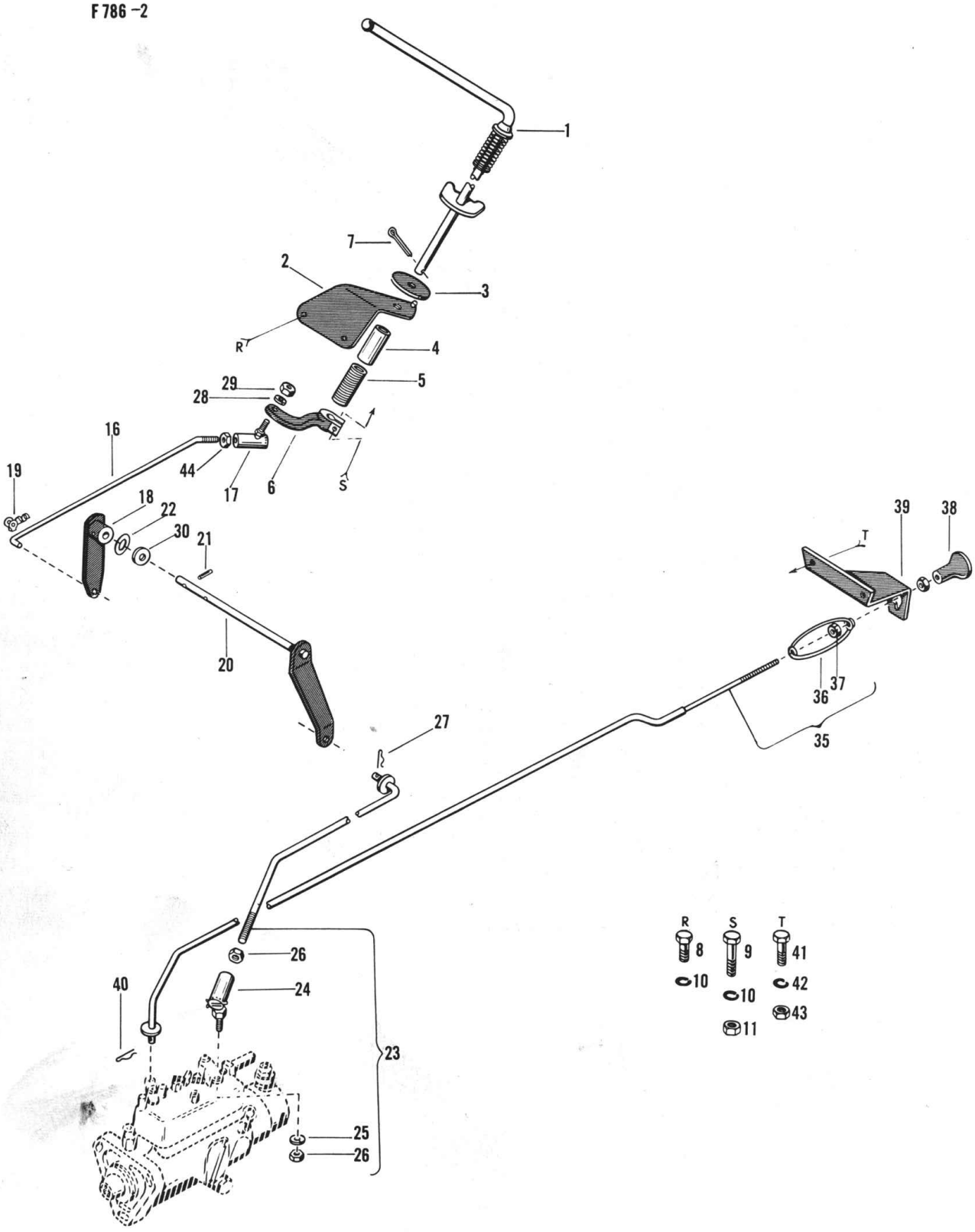
SEE PAGES XII THRU XV FOR CERTIFIED C.A.V. SERVICE STATIONS

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1 (A)	890 980 M91	33281	Pump Assembly, Injection (DPA 3242698)	1
1 (B)	890 956 M91	33268	Pump Assembly, Injection (DPA 3242656) (Order 890 980 M91)	1
2	1 852 741 M1		Cover, Injection Pump Control	1
3	1 851 882 M1	26430057	Gasket, Injection Pump Cover	1
4	1 851 875 M1	26430046	Screw, Adjusting, Throttle Control	2
5	1 851 854 M1	0571410	Nut, Lock, Adjusting Screw	2
6	1 028 650 M1	26430045	Sleeve, Adjusting Screw Cover	1
7	1 028 086 M1	26430047	Lock, Adjusting Screw Sleeve	1
8	1 851 877 M91	26430048	Vent Assembly, Cover (Order 1 028 087 M91)	1
9	1 026 231 M1	26430023	Screw, Cover Vent	1
10	1 028 088 M1	26430051	Washer, Cover Vent Screw	1
11	1 851 879 M1	26430052	Stud, Cover Retaining	2
12	1 851 881 M1	26430054	Washer, Cover Stud	2
13	1 851 880 M1	26430053	Nut, Cover Stud	2
14	1 851 855 M1	0730149	"O" Ring, Pump Shafts	4
15	1 851 884 M1	26430060	Cap, Dust, Injection Pump Cover	2
16	731 175 M1	36155112	Lever, Fuel Shut-off	1
17	640 675 M1	36453111	Lever, Throttle Control	1
18	1 012 685 M1	26430061	Washer, Pump Levers (Plain)	2
19	22 427 X	0921291	Washer, Pump Levers (Skpf.)	2
20	1 851 854 M1	0571410	Nut, Pump Levers Retaining	2
26	1 012 703 M1	0800093	Filter, Fuel Inlet	1
27	1 851 942 M1	0470713	Adapter, Fuel Inlet Filter	1
28	1 851 852 M1	0921281	Washer, Fuel Inlet Adapter	1
29	1 851 957 M1	26430014	Connection, Fuel Inlet	1
30	1 851 975 M1	0921221	"O" Ring, Inner Sleeve	1
31	1 028 496 M91	26430021	Vent Assembly, Body	1
32	1 026 231 M1		Screw, Body Vent	1
33	1 026 505 M1	26430024	Washer, Body Vent Screw	1
34	1 851 944 M1	0201313	Connection, Fuel Lines (Banjo Type)	4
35	1 851 871 M1	26430026	Washer, Fuel Lines Connector	8
36	1 851 853 M1	0825249	Bolt, Fuel Line Connector (Banjo Type)	4
37	1 851 858 M1	26430086	Cover, Pump Inspection	1
38	1 851 859 M1	26430087	Gasket, Inspection Cover	1
39	1 851 860 M1	26430088	Screw, Inspection Cover	2
40	22 427 X		Washer, Inspection Cover Screw	2
41 (A)	1 852 748 M1	26430191	Gasket, Piston Housing Head (Used w/890 980 M91 Pump).	1
41 (B)	1 851 951 M1	26430100	Gasket, Piston Housing Head (Used w/890 956 M91 Pump).	1
42	1 851 952 M1	0825250	Stud, Piston Housing Head	1
43	1 851 974 M1	0640087	"O" Ring, Stud	1
44	1 851 954 M1	26430105	Washer, Stud	1
45	1 851 946 M1	26430124	Connection, Fuel Outlet	1
46	1 851 871 M1	26430026	Washer, Fuel Outlet Connector	1
47	1 851 945 M1	26430043	Shaft, Quill	1

Notes: (A) - Used Engine Serial No. 28021161 and up.
(B)- Used prior to Engine Serial No. 28021161.

THROTTLE AND FUEL SHUT-OFF

F 786 -2



THROTTLE AND FUEL SHUT-OFF

DIRECT INJECTION DIESEL

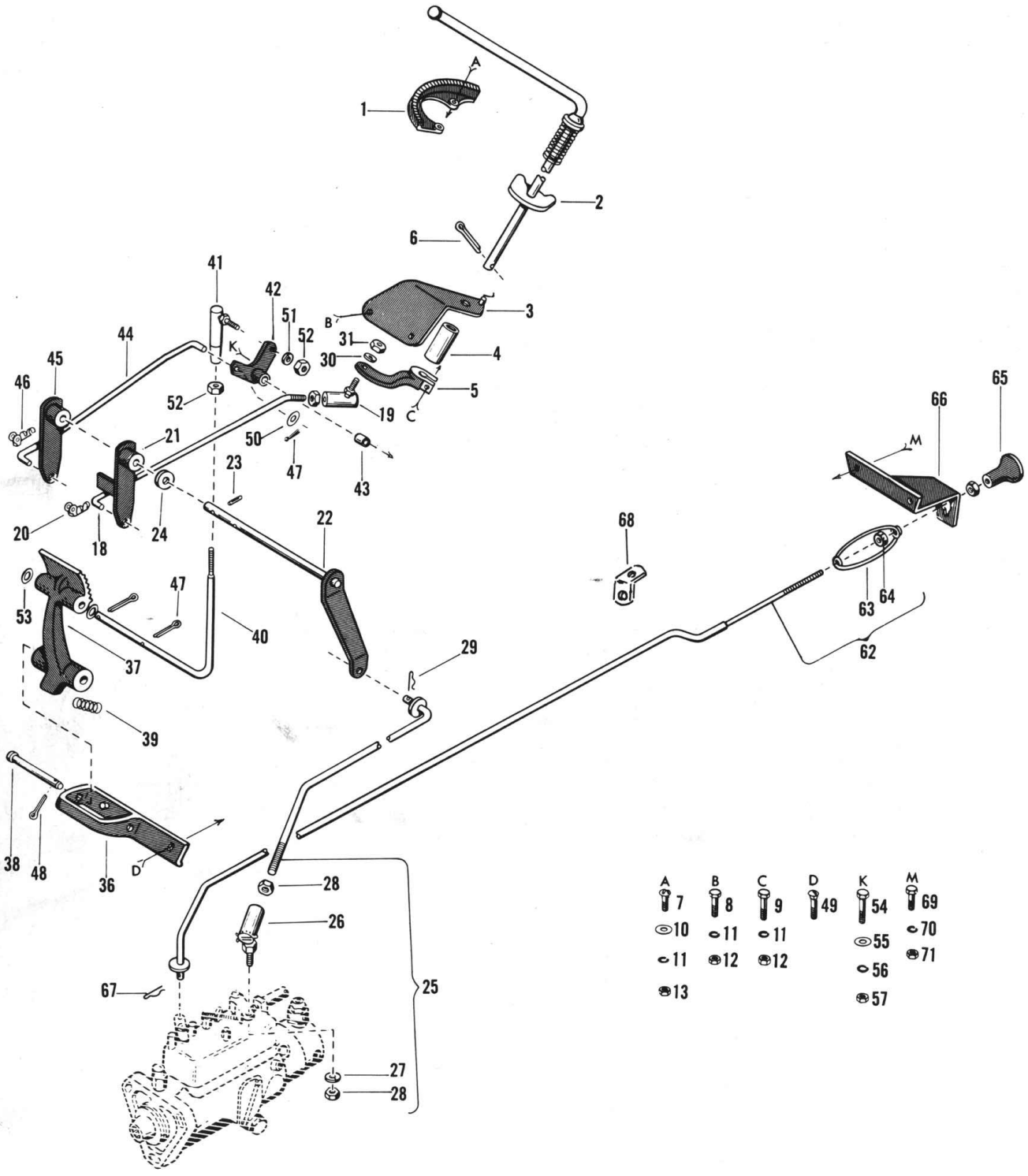
AGRICULTURAL AND ORCHARD

Ref. No.	Part No.	Description	No. Req.
1	193 360 M91	Lever Assembly, Throttle Control (Agricultural)	1
1	189 123 M91	Lever Assembly, Throttle Control (Orchard)	1
2	189 447 M91	Bracket Assembly, Throttle Lever Stop	1
3	826 997 M1	Disc, Friction	1
4	828 018 M1	Spacer (1/2" Pipe x 1-3/8")	1
5	827 002 M1	Spring, Friction Disc Tension	1
6	187 817 M1	Lever, Throttle Control	1
7	354 048 X1	Cotter Pin (3/32 x 3/4")	1
8	353 501 X1	Bolt (1/4 x 1/2" NF, Hex.)	2
9	353 506 X1	Bolt (1/4 x 1-1/8" NF, Hex.)	1
10	353 441 X1	Washer (1/4" Lock)	3
11	353 918 X1	Nut (1/4" NF, Hex.)	1
16	189 215 M1	Rod, Throttle Linkage, Right Hand Side	1
17	187 688 M1	Ball Joint, Throttle Rod to Control Lever	1
18 (A)	191 358 M91	Lever Assembly, Cross Shaft, R.H. Side (for 5/32" Dia. Roll Pin)	1
18 (B)	187 819 M91	Lever Assembly, Cross Shaft, R.H. Side (for 3/32" Dia. Roll Pin)	1
19	832 307 M1	Clip, Throttle Rod Retaining	1
20 (A)	191 367 M91	Shaft Assembly, Cross (for 5/32" Dia. Roll Pin)	1
20 (B)	189 680 M91	Shaft Assembly, Cross (for 3/32" Dia. Roll Pin)	1
21 (A)	763 787 M1	Pin, Cross Shaft (5/32 x 5/8" Roll)	1
21 (B)	357 614 X1	Pin, Cross Shaft (3/32 x 5/8" Roll)	1
22	196 010 M1	Washer, Cross Shaft Lever (Spring Type)	1
23	892 118 M91	Rod Assembly, Pump Control	1
24	1 850 559 M91	Ball Joint Assembly, Control Rod to Pump	1
25	353 441 X1	Washer (1/4" Lock)	1
26	353 919 X1	Nut (1/4" NF, Half Hex.)	2
27	359 020 X1	Hair Pin	1
28	353 441 X1	Washer (1/4" Lock)	1
29	353 919 X1	Nut (1/4" NF, Half Hex.)	1
30	353 576 X1	Washer (3/8" Small Flat)	1
35	191 165 M91	Rod Assembly, Fuel Shut-off	1
36	188 669 M1	Spring, Fuel Shut-off Rod	1
37	358 990 X1	Nut, Spring Retaining	2
38	893 015 M1	Knob, Fuel Shut-off Rod	1
39	186 591 M1	Bracket, Fuel Shut-off Rod	1
40	832 907 M1	Pin, Shut-off Rod Retaining (Hair Pin)	1
41	353 504 X1	Bolt (1/4 x 7/8" NF, Hex.)	2
42	353 441 X1	Washer (1/4" Lock)	2
43	353 918 X1	Nut (1/4" NF, Hex.)	2
44	353 919 X1	Nut (1/4" NF, Half Hex.)	1

Notes: (A) - Used Tractor Serial No. 686298 and up.
(B) - Used prior to Tractor Serial No. 686298.

THROTTLE AND FUEL SHUT-OFF

F787-1



THROTTLE AND FUEL SHUT-OFF

DIRECT INJECTION DIESEL

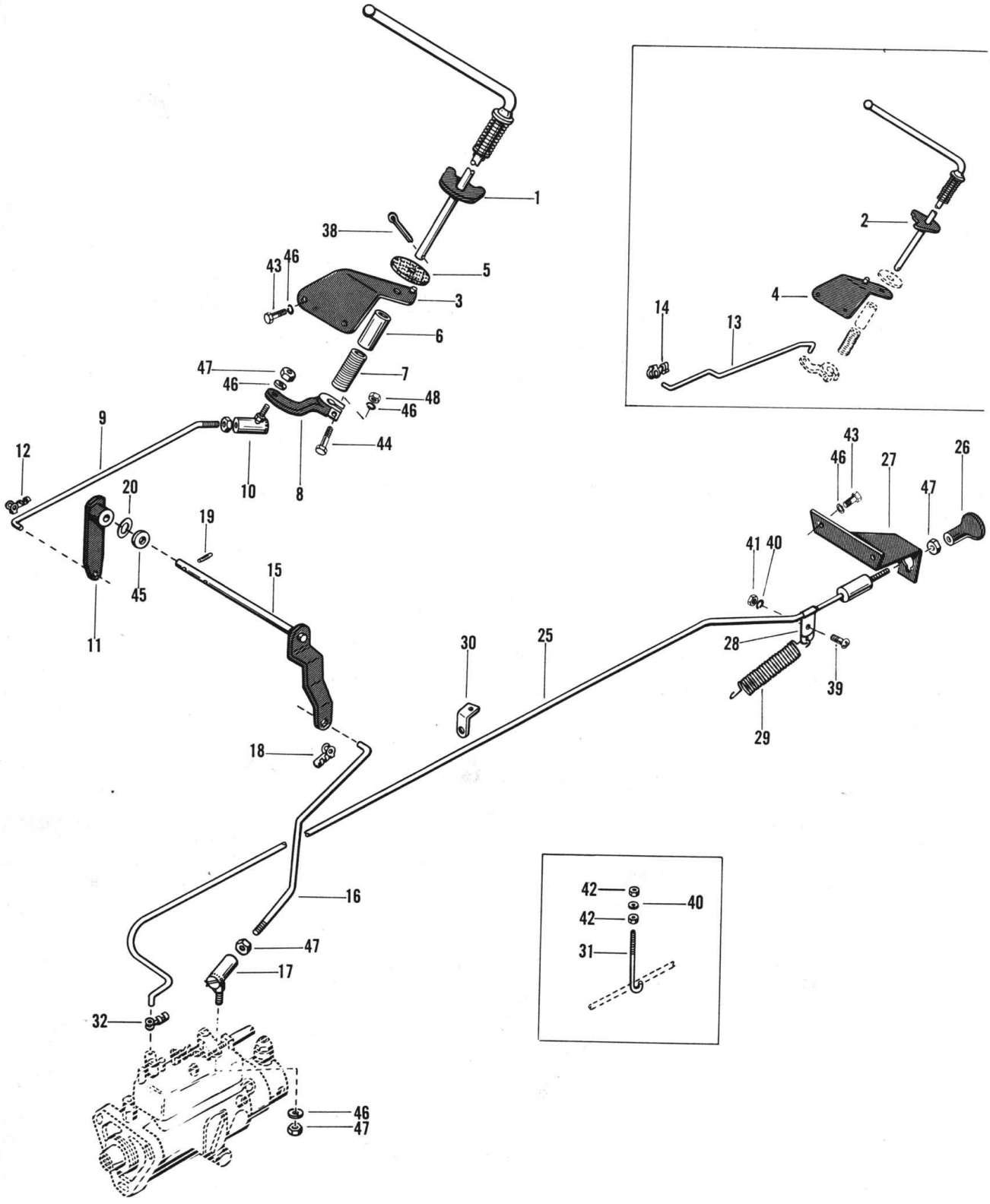
UTILITY

Ref. No.	Part No.	Description	No. Req.
1	189 471 M1	Quadrant, Hand Throttle	1
2	189 123 M91	Lever Assembly, Throttle Control	1
3	189 447 M91	Bracket Assembly, Throttle Lever Stop	1
4	701 402 M1	Spacer, Throttle Control Rod	1
5	187 817 M1	Lever, Throttle Control, Lower	1
6	354 048 X1	Cotter Pin (3/32 x 3/4")	1
7	353 990 X1	Screw (1/4 x 3/4" NC, Rd. Hd.)	2
8	353 504 X1	Bolt (1/4 x 7/8" NF, Hex.)	2
9	353 506 X1	Bolt (1/4 x 1-1/8" NF, Hex.)	1
10	353 754 X1	Washer (1/4" Small Flat)	2
11	353 441 X1	Washer (1/4" Lock)	5
12	353 918 X1	Nut (1/4" NF, Hex.)	3
13	353 564 X1	Nut (1/4" NC, Hex.)	2
18	189 215 M1	Rod, Throttle, Right Hand Side	1
19	187 688 M1	Ball Joint, Throttle Rod	1
20	832 307 M1	Clip, Throttle Rod Retaining	1
21 (A)	191 421 M91	Lever Assembly, Cross Shaft, R.H. Side (Hand Control)(for 5/32" Dia. Roll Pin)	1
21 (B)	187 816 M91	Lever Assembly, Cross Shaft, R.H. Side (Hand Control (for 3/32" Dia. Roll Pin)	1
22 (A)	191 367 M91	Shaft Assembly, Cross (for 5/32" Dia. Roll Pin)	1
22 (B)	189 680 M91	Shaft Assembly, Cross (for 3/32" Dia. Roll Pin)	1
23 (A)	763 787 M1	Pin, Cross Shaft (5/32 x 5/8" Roll)	2
23 (B)	357 614 X1	Pin, Cross Shaft (3/32 x 5/8" Roll)	2
24	196 010 M1	Washer, Cross Shaft Lever (Spring Type)	1
25	892 118 M91	Rod Assembly, Pump Control	1
26	1 850 559 M91	Ball Joint Assembly, Control Rod to Pump	1
27	353 441 X1	Washer (1/4" Lock)	1
28	353 919 X1	Nut (1/4" NF, Half Hex.)	2
29	359 020 X1	Pin, Hair, Pump Rod Retaining	1
30	353 441 X1	Washer (1/4" Lock)	1
31	353 919 X1	Nut (1/4" NF, Half Hex.)	1
36	184 837 M1	Support, Foot Throttle Pedal	1
37	184 839 M1	Pedal, Foot Throttle	1
38	195 610 M1	Pin, Pedal Pivot (3/8 x 2-7/8")	1
39	184 838 M1	Spring, Foot Pedal Tension	1
40	189 222 M1	Rod, Foot Pedal to Pivot Lever	1
41	185 356 M1	Ball Joint, Foot Pedal Rod	1
42	191 050 M91	Lever Assembly, Pivot	1
43	191 092 M1	Bushing, Lever (13/32 x 1/2 x 31/32")	1
44	189 127 M1	Rod, Pivot Lever to Cross Shaft	1
45 (A)	191 358 M91	Lever Assembly, Cross Shaft, R.H. Side (Foot Control)(for 5/32" Dia. Roll Pin)	1
45 (B)	187 819 M91	Lever Assembly, Cross Shaft, R.H. Side (Foot Control)(for 3/32" Dia. Roll Pin)	1
46	832 307 M1	Clip, Pivot Lever Rod Retaining	1
47	354 039 X1	Cotter Pin (1/16 x 1/2")	3
48	354 057 X1	Cotter Pin (1/8 x 3/4")	1
49	353 785 X1	Bolt (1/4 x 1" NF, Carr.)	2
50	353 754 X1	Washer (1/4" Small Flat)	1
51	353 441 X1	Washer (1/4" Lock)	1
52	353 919 X1	Nut (1/4" NF, Half Hex.)	2
53	353 755 X1	Washer (5/16" Small Flat)	2
54	353 543 X1	Bolt (3/8 x 1-5/8" NC, Hex.)	1
55	353 756 X1	Washer (3/8" Small Flat)	1
56	353 434 X1	Washer (3/8" Lock)	1
57	353 431 X1	Nut (3/8" NC, Hex.)	1
62	191 165 M91	Rod Assembly, Fuel Shut-off	1
63	188 669 M1	Spring, Fuel Shut-off Rod	1
64	358 990 X1	Nut, Spring Retaining	2
65	893 015 M1	Knob, Fuel Shut-off Rod	1
66	186 591 M1	Bracket, Fuel Shut-off Rod	1
67	832 907 M1	Pin, Hair, Shut-off Rod to Pump	1
68	183 167 M1	Bracket, Shut-off Rod Steady	1
69	353 504 X1	Bolt (1/4 x 7/8" NF, Hex.)	2
70	353 441 X1	Washer (1/4" Lock)	2
71	353 918 X1	Nut (1/4" NF, Hex.)	2

Notes: (A) - Used Tractor Serial No. 686298 and up.
(B) - Used prior to Tractor Serial No. 686298.

THROTTLE AND FUEL SHUT-OFF

F595-51



THROTTLE AND FUEL SHUT-OFF

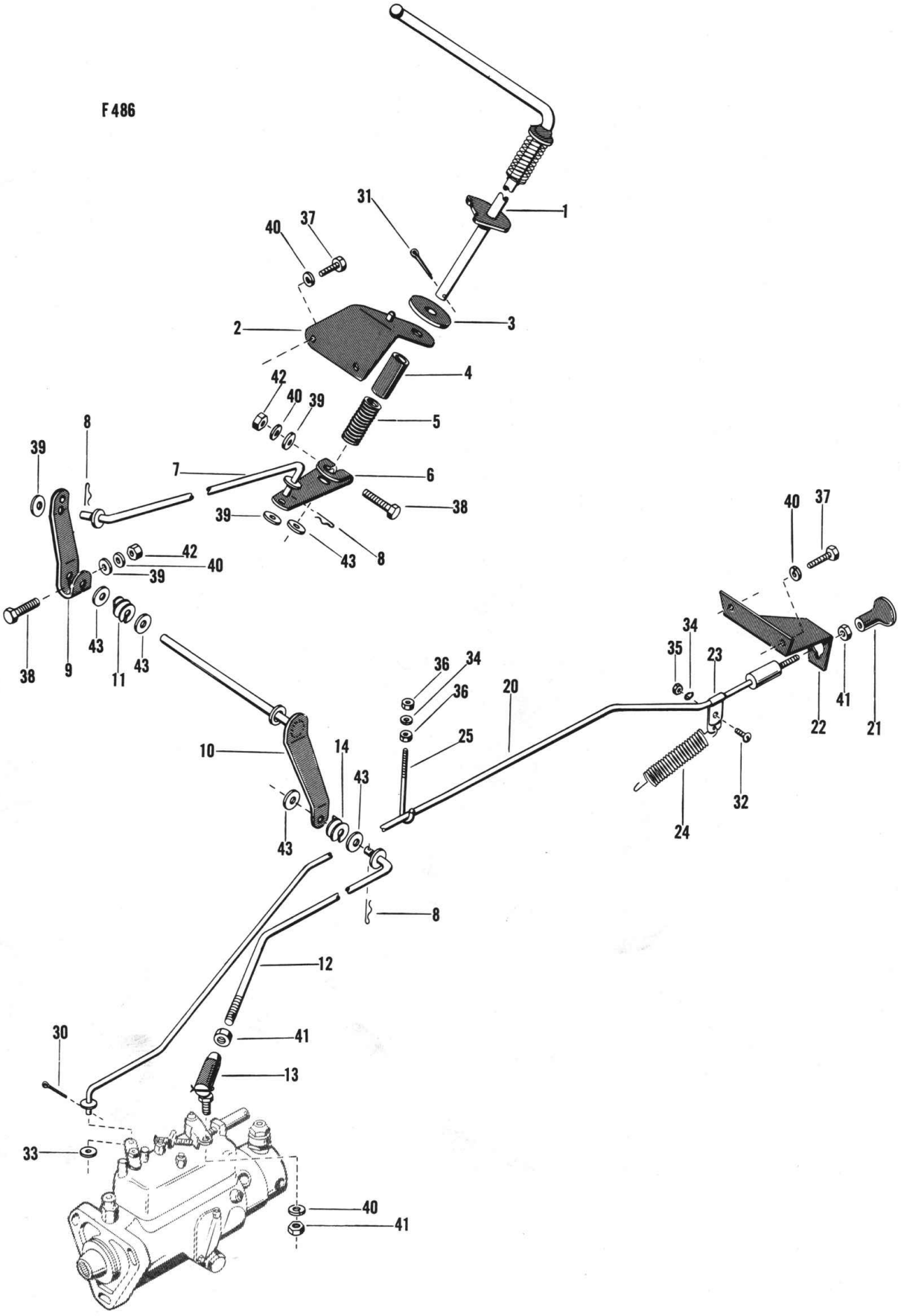
REGULAR DIESEL - AGRICULTURAL

(USED TRACTOR SERIAL NO. 675083 AND UP)

Ref. No.	Part No.	Description	No. Req.
1 (A)	189 123 M91	Lever Assembly, Throttle Control	1
2 (B)	828 014 M91	Lever Assembly, Throttle Control	1
3 (A)	189 447 M91	Bracket Assembly, Throttle Lever Stop	1
4 (B)	828 016 M91	Bracket Assembly, Throttle Lever Stop	1
5	826 997 M1	Disc, Friction	1
6	828 018 M1	Spacer (1/2" Pipe x 1-3/8")	1
7	827 002 M1	Spring, Friction Disc Tension	1
8	187 817 M1	Lever, Throttle Control, Lower	1
9 (A)	189 215 M1	Rod, Throttle, Right Hand Side	1
10 (A)	187 688 M1	Ball Joint, Throttle Rod to Lever	1
11	187 819 M91	Lever Assembly, Cross Shaft, Right Hand	1
12 (A)	832 307 M1	Clip, Throttle Rod to Lever	1
13 (B)	187 827 M1	Rod, Throttle, Right Hand Side	1
14 (B)	832 307 M1	Clip, Throttle Rod	2
15	187 818 M91	Shaft Assembly, Cross	1
16	187 825 M91	Rod Assembly, Pump Control	1
17	187 688 M1	Ball Joint, Pump Control Rod to Pump	1
18	832 307 M1	Clip, Pump Control Rod to Cross Shaft	1
19	357 614 X1	Pin, Lever to Cross Shaft (3/32 x 5/8" Roll)	1
20	196 010 M1	Washer, Spring	1
25	187 251 M91	Rod Assembly, Fuel Shut-off	1
26	893 015 M1	Knob, Fuel Shut-off Rod	1
27	186 591 M1	Bracket, Fuel Shut-off Rod	1
28	827 022 M1	Clip, Return Spring Anchor	1
29	827 023 M1	Spring, Rod Return	1
30 (A)	183 167 M1	Strap, Shut-off Rod Steady	1
31 (B)	828 105 M1	Hook Bolt, Shut-off Rod Steady	1
32	832 163 M1	Clip, Rod End to Pump	1
38	354 048 X1	Cotter Pin (3/32 x 3/4")	x
39	353 980 X1	Screw (#10 x 3/4" NC, Rd. Hd.)	x
40	353 445 X1	Washer (#10 Lock)	x
41	354 120 X1	Nut (#10 NC, Hex.)	x
42	358 990 X1	Nut (#10 NF, Hex.)	x
43	353 501 X1	Bolt (1/4 x 1/2" NF, Hex.)	x
44	353 506 X1	Bolt (1/4 x 1-1/8" NF, Hex.)	x
45	353 754 X1	Washer (1/4" Small Flat)	x
46	353 441 X1	Washer (1/4" Lock)	x
47	353 919 X1	Nut (1/4" NF, Half Hex.)	x
48	353 918 X1	Nut (1/4" NF, Hex.)	x

Notes: (A) - Used Tractor Serial No. 677170 and up.
(B) - Used prior to Tractor Serial No. 677170.

THROTTLE AND FUEL SHUT-OFF



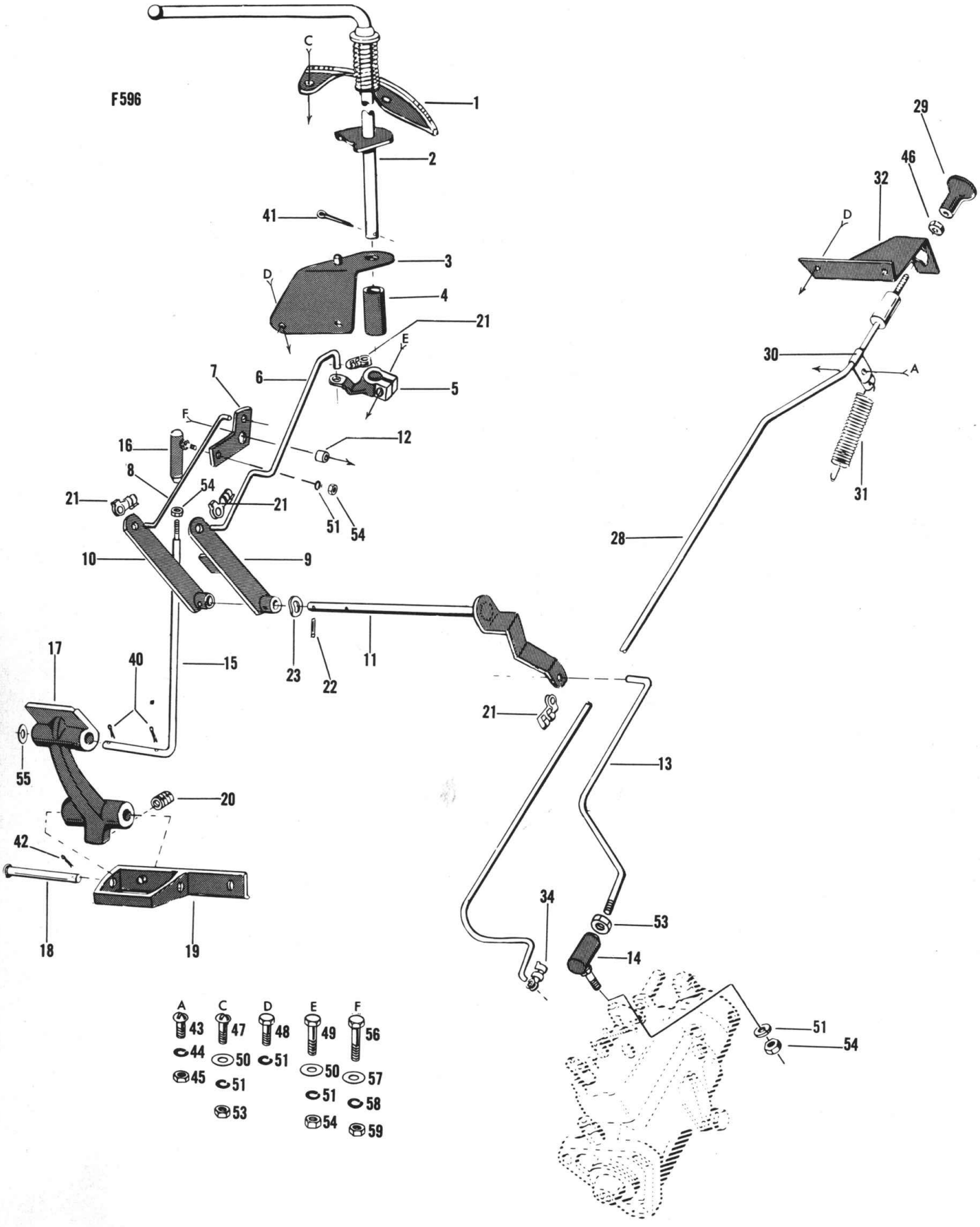
THROTTLE AND FUEL SHUT-OFF

REGULAR DIESEL - AGRICULTURAL

(USED PRIOR TO TRACTOR SERIAL NO. 675083)

Ref. No.	Part No.	Description	No. Req.
1	828 014 M91	Lever Assembly, Throttle Control	1
2	828 016 M91	Bracket Assembly, Throttle Lever Stop	1
3	826 997 M1	Disc, Friction	1
4	828 018 M1	Spacer (1/2" Pipe x 1-3/8")	1
5	827 002 M1	Spring, Friction Disc Tension	1
6	828 019 M2	Lever, Throttle Control, Lower	1
7	828 011 M92	Rod Assembly, Throttle, Intermediate	1
8	832 324 M1	Pin, Rod Retaining (1/4" Int. Hair)	3
9	828 010 M1	Lever, Cross Shaft, Right Hand	1
10	828 007 M91	Shaft Assembly, Cross	1
11	375 252 X1	Washer, Spring, Cross Shaft	1
12	828 028 M91	Rod Assembly, Pump Control	1
13	1 850 559 M91	Joint Assembly, Ball	1
14	340 374 X1	Washer, Spring, Pump Control Rod	1
20	186 592 M91	Rod Assembly, Fuel Shut-off (Order 187 251 M91)	1
21	893 015 M1	Knob, Fuel Shut-off Rod	1
22	186 591 M1	Bracket, Fuel Shut-off Rod	1
23	827 022 M1	Clip, Spring Anchor	1
24	827 023 M1	Spring, Rod Return	1
25	828 105 M1	Hook Bolt, Fuel Shut-off Rod Support	1
30	354 039 X1	Cotter Pin (1/16 x 1/2")	x
31	354 048 X1	Cotter Pin (3/32 x 3/4")	x
32	353 980 X1	Screw (#10 x 3/4" NC, Rd. Hd.)	x
33	353 753 X1	Washer (#10 Small Flat)	x
34	353 445 X1	Washer (#10 Lock)	x
35	354 120 X1	Nut (#10 NC, Hex.)	x
36	358 990 X1	Nut (#10 NF, Hex.)	x
37	353 501 X1	Bolt (1/4 x 1/2" NF, Hex.)	x
38	353 506 X1	Bolt (1/4 x 1-1/8" NF, Hex.)	x
39	353 754 X1	Washer (1/4" Small Flat)	x
40	353 441 X1	Washer (1/4" Lock)	x
41	353 919 X1	Nut (1/4" NF, Half Hex.)	x
42	353 918 X1	Nut (1/4" NF, Hex.)	x
43	353 756 X1	Washer (3/8" Small Flat)	x

THROTTLE AND FUEL SHUT-OFF



THROTTLE AND FUEL SHUT-OFF

REGULAR DIESEL - UTILITY

(USED TRACTOR SERIAL NO. 676882 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	186 404 M1	Quadrant, Hand Throttle	1
2	828 014 M91	Lever Assembly, Throttle Control	1
3	828 016 M91	Bracket Assembly, Throttle Lever Stop	1
4	701 402 M1	Spacer, Throttle Control Lever	1
5	187 817 M1	Lever, Throttle Control, Lower	1
6	187 827 M1	Rod, Throttle, Right Hand Side	1
7	186 924 M1	Lever, Foot Throttle	1
8	189 127 M1	Rod, Foot Pedal, Upper	1
9	187 819 M91	Lever Assembly, Cross Shaft, Right Hand Side (Hand Control)	1
10	187 816 M91	Lever Assembly, Cross Shaft, Right Hand Side (Foot Control)	1
11	187 818 M91	Shaft Assembly, Cross	1
12	191 092 M1	Spacer, Foot Lever	1
13	187 825 M91	Rod Assembly, Pump Control	1
14	187 688 M1	Ball Joint, Pump Control Rod	1
15	189 222 M1	Rod, Foot Pedal	1
16	185 356 M1	Ball Joint, Foot Pedal Rod	1
17	184 839 M1	Pedal, Foot Throttle	1
18	195 610 M1	Pin, Clevis, Support to Pedal (3/8 x 2-57/64")	1
19	184 837 M1	Support, Foot Throttle Pedal	1
20	186 400 M1	Spring, Foot Throttle Pedal	1
21	832 307 M1	Clip, Rod End	3
22	357 614 X1	Pin (3/32 x 5/8" Roll)	1
23	196 010 M1	Washer, Spring	1
28	187 251 M91	Rod Assembly, Fuel Shut-off	1
29	893 015 M1	Knob, Fuel Shut-off Rod	1
30	827 022 M1	Clip, Spring Anchor	1
31	827 023 M1	Spring, Rod Return	1
32	186 591 M1	Bracket, Fuel Shut-off Rod	1
	890 411 M1	Guide, Fuel Shut-off	1
34	832 163 M1	Clip, Rod End Clevis	1
40	354 039 X1	Cotter Pin (1/16 x 1/2")	x
41	354 048 X1	Cotter Pin (3/32 x 3/4")	x
42	354 057 X1	Cotter Pin (1/8 x 3/4")	x
43	353 980 X1	Screw (#10 x 3/8" NC, Rd. Hd.)	x
44	353 445 X1	Washer (#10 Lock)	x
45	354 120 X1	Nut (#10 NC, Hex.)	x
46	358 990 X1	Nut (#10 NF, Hex.)	x
47	353 990 X1	Screw (1/4 x 3/4" NC, Rd. Hd.)	x
48	353 667 X1	Bolt (1/4 x 3/4" NC, Hex.)	x
49	353 506 X1	Bolt (1/4 x 1-1/8" NF, Hex.)	x
50	353 754 X1	Washer (1/4" Small Flat)	x
51	353 441 X1	Washer (1/4" Lock)	x
53	355 564 X1	Nut (1/4" NC, Hex.)	x
54	353 918 X1	Nut (1/4" NF, Hex.)	x
55	353 755 X1	Washer (5/16" Small Flat)	x
56	353 543 X1	Bolt (3/8 x 1-5/8" NC, Hex.)	x
57	353 756 X1	Washer (3/8" Small Flat)	x
58	353 434 X1	Washer (3/8" Lock)	x
59	353 431 X1	Nut (3/8" NC, Hex.)	x

THROTTLE AND FUEL SHUT-OFF

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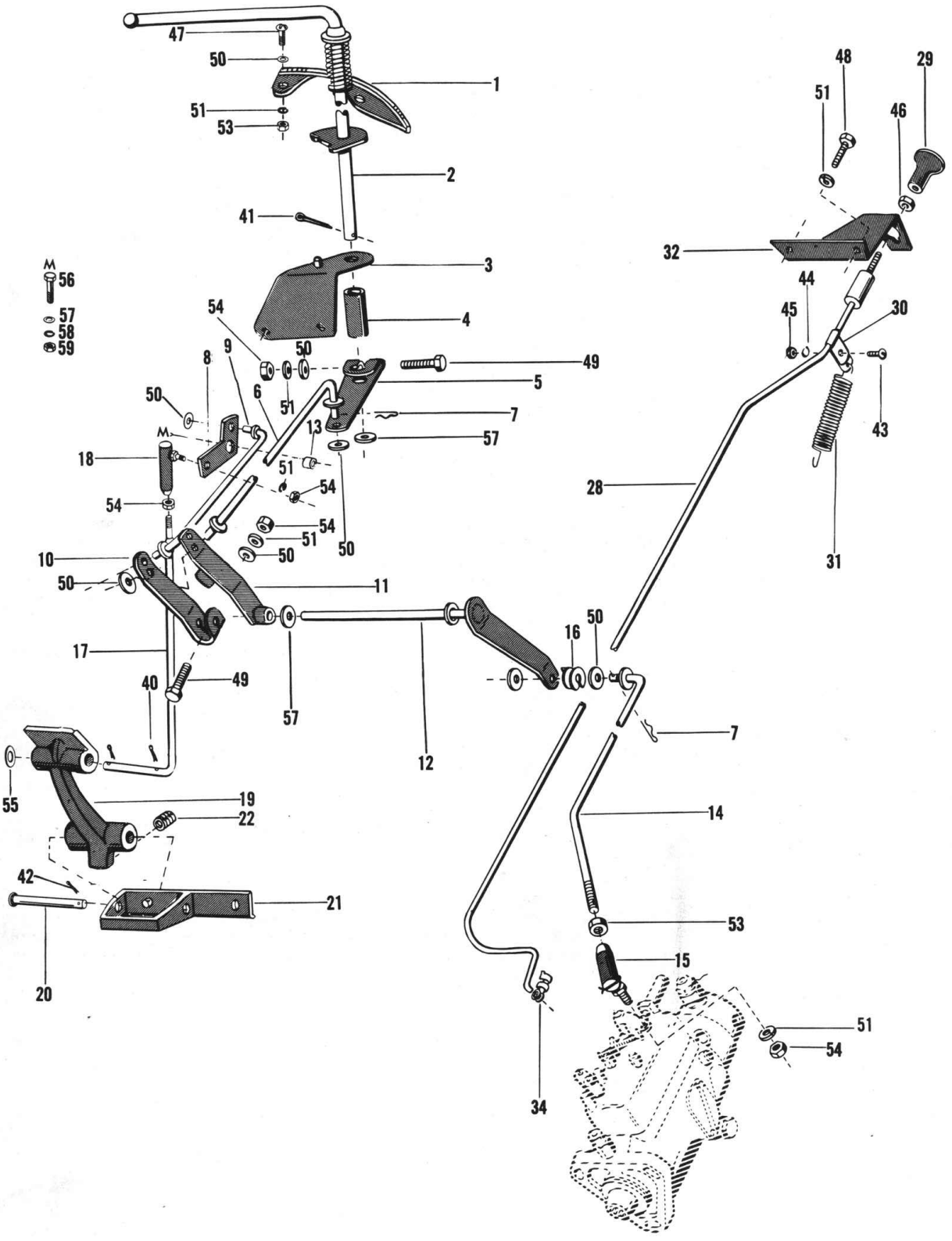

THROTTLE AND FUEL SHUT-OFF

REGULAR DIESEL - UTILITY

(USED PRIOR TO TRACTOR SERIAL NO. 676882)

Ref. No.	Part No.	Description	No. Req.
1	186 404 M1	Quadrant, Hand Throttle	1
2	828 014 M91	Lever Assembly, Throttle Control	1
3	828 016 M91	Bracket Assembly, Throttle Lever Stop	1
4	701 402 M1	Spacer, Throttle Control Lever	1
5	828 019 M2	Lever, Throttle Control, Lower	1
6	828 011 M92	Rod Assembly, Throttle, Intermediate	1
7	832 324 M1	Pin, Rod Retaining (1/4" Int. Hair)	3
8	186 924 M1	Lever, Foot Throttle	1
9	186 925 M91	Rod Assembly, Foot Pedal (Upper)	1
10	828 010 M1	Lever, Cross Shaft, Right	1
11	186 920 M91	Lever Assembly, Cross Shaft, Left	1
12	186 922 M91	Shaft Assembly, Cross	1
13	191 092 M1	Spacer, Foot Lever	1
14	828 028 M91	Rod Assembly, Pump Control	1
15	1 850 559 M91	Joint Assembly, Ball, Throttle Control Rod	1
16	340 374 X1	Washer, Spring, Pump Control Rod	1
17	189 222 M1	Rod, Foot Pedal	1
18	185 356 M1	Joint, Ball, Foot Pedal Rod	1
19	184 839 M1	Pedal, Foot Throttle	1
20	195 610 M1	Pin, Clevis, Support to Pedal (3/8 x 2.89")	1
21	184 837 M1	Support, Foot Throttle Pedal	1
22	186 400 M1	Spring, Foot Throttle Pedal	1
28	187 251 M91	Rod Assembly, Fuel Shut-off	1
29	893 015 M1	Knob, Fuel Shut-Off Rod	1
30	827 022 M1	Clip, Spring Anchor	1
31	827 023 M1	Spring, Rod Return	1
32	186 591 M1	Bracket, Fuel Shut-Off Rod	1
	890 411 M1	Guide, Fuel Shut-Off	1
34	832 163 M1	Clip, Rod End Clevis	1
40	354 039 X1	Cotter Pin (1/16 x 1/2")	x
41	354 048 X1	Cotter Pin (3/32 x 3/4")	x
42	354 057 X1	Cotter Pin (1/8 x 3/4")	x
43	353 980 X1	Screw (#10 x 3/8" NC, Rd. Hd.)	x
44	353 445 X1	Washer (#10 Lock)	x
45	354 120 X1	Nut (#10 NC, Hex.)	x
46	358 990 X1	Nut (#10 NF, Hex.)	x
47	353 990 X1	Screw (1/4 x 3/4" NC, Rd. Hd.)	x
48	353 667 X1	Bolt (1/4 x 3/4" NC)	x
49	353 506 X1	Bolt (1/4 x 1-1/8" NF, Hex.)	x
50	353 754 X1	Washer (1/4" Small Flat)	x
51	353 441 X1	Washer (1/4" Lock)	x
53	355 564 X1	Nut (1/4" NC, Hex.)	x
54	353 918 X1	Nut (1/4" NF, Hex.)	x
55	353 755 X1	Washer (5/16" Small Flat)	x
56	353 543 X1	Bolt (3/8 x 1-5/8" NC, Hex.)	x
57	353 756 X1	Washer (3/8" Small Flat)	x
58	353 434 X1	Washer (3/8" Lock)	x
59	353 431 X1	Nut (3/8" NC, Hex.)	x

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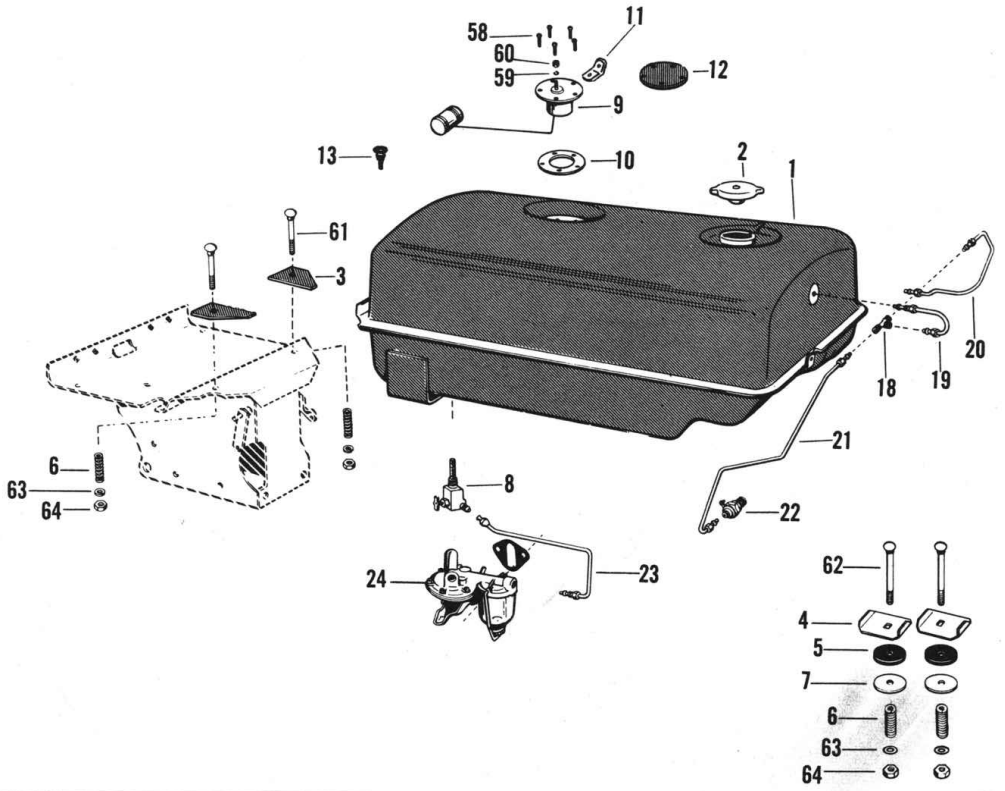
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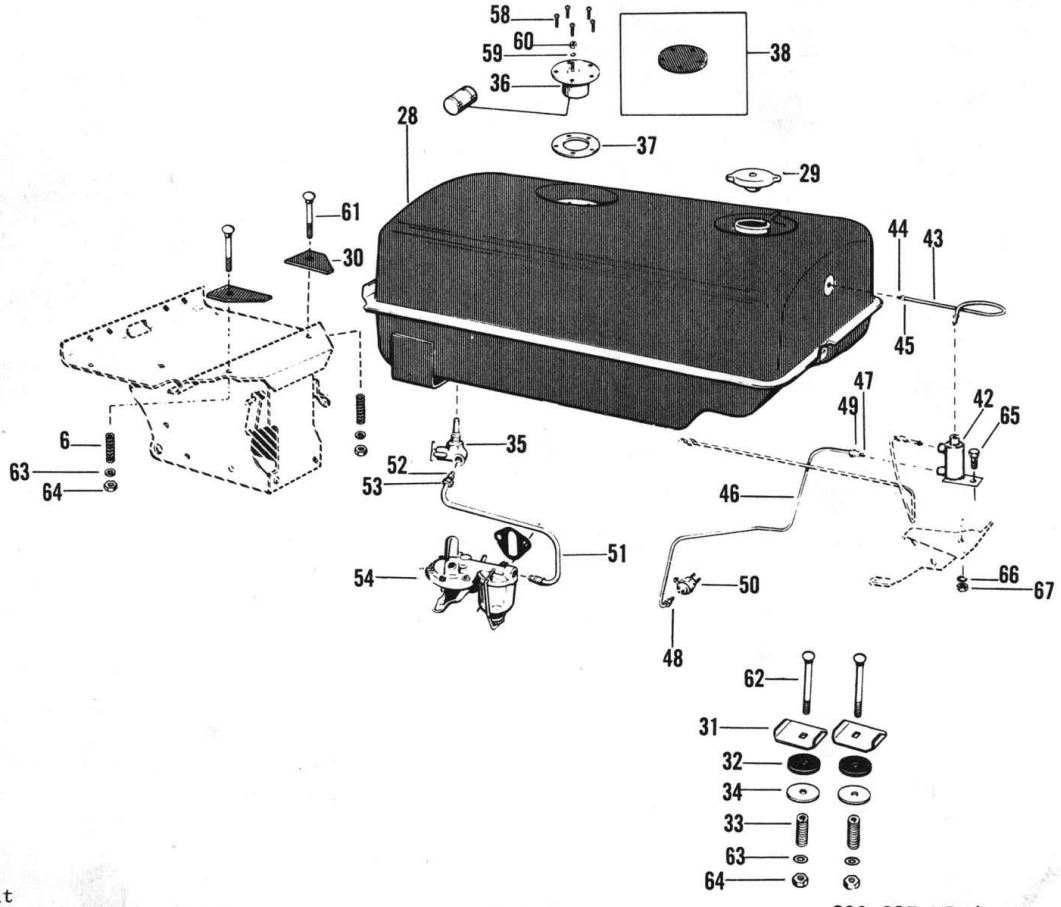
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DIRECT INJECTION DIESEL

Ref. No.	Part No.	Description	No. Req.
1	189 141 M93	Tank Assembly, Fuel	1
2	188 716 M94	Cap Assembly, Fuel Tank Filler	1
3	189 142 M1	Pad, Fuel Tank, Rear	2
4	189 493 M1	Retainer, Fuel Tank, Front	2
5	890 485 M1	Pad, Fuel Tank, Front	2
6	187 227 M1	Spring, Fuel Tank, Front and Rear	4
7	890 486 M1	Washer, Fuel Tank, Front Pad	2
8	191 235 M91	Shut-off Assembly, Fuel	1
9	189 201 M91	Unit Assembly, Sending	1
10	189 605 M1	Gasket, Sending Unit	1
11 (A)	193 861 M1	Strap, Sending Unit Ground	1
12	188 116 M1	Cover, Sending Unit Hole	1
13	187 253 M1	Bumper, Fuel Tank	5
18	188 680 M1	Tee, Connector, Leak-off Lines	1
19	192 595 M91	Line Assembly, Leak-off, Tee to Fuel Tank	1
20	191 152 M91	Line Assembly, Leak-off, Tee to Injector Nozzle Leak-off Line	1
21	191 156 M91	Line Assembly, Leak-off, Tee to Manifold Heater	1
22	893 501 M91	Heater Assembly, Manifold (Perkins #2666103)	1
23	191 236 M91	Line Assembly, Fuel Tank to Fuel Pump	1
24		Fuel Pump Assembly (See Page 91)	1

REGULAR DIESEL

(USED TRACTOR SERIAL NO. 677 170 AND UP)

28	189 141 M92	Tank Assembly, Fuel (Order 189 141 M93)	1
29	~~188 716 M94~~	Cap Assembly, Fuel Tank Filler S.N. 844 XXX	1
30	189 142 M1	Pad, Fuel Tank, Rear	2
31	189 493 M1	Retainer, Fuel Tank, Front	2
32	890 485 M1	Pad, Fuel Tank, Front	2
33	187 227 M1	Spring, Fuel Tank, Front and Rear	4
34	890 486 M1	Washer, Fuel Tank, Front Pad	2
35	1 851 653 M91	Shut-off Assembly, Fuel	1
36	189 201 M91	Unit Assembly, Sending	1
37	189 605 M1	Gasket, Sending Unit	1
38	188 116 M1	Cover, Sending Unit Hole	1
42	188 466 M91	Tank Assembly, Fuel, Starter Reserve	1
43	189 191 M91	Line Assembly, Reserve Tank to Fuel Tank	1
44	22 114 X	Sleeve, Fuel Line	2
45	195 442 M1	Nut, Fuel Line	2
46	189 169 M91	Line Assembly, Reserve Tank to Manifold Heater	1
47	22 114 X	Sleeve, Fuel Line	2
48	22 113 X	Nut, Fuel Line (at Heater)	1
49	195 442 M1	Nut, Fuel Line (at Reserve Tank)	1
50	893 501 M91	Heater Assembly Manifold (Perkins #2666103)	1
51	189 172 M91	Line Assembly, Fuel Tank to Fuel Pump	1
52	731 563 M1	Sleeve, Fuel Line	2
53	827 286 M1	Nut, Fuel Line	2
54		Fuel Pump Assembly (See Page 91)	1
58	189 604 M1	Screw (#10 - 32 x 1/2" Special)	x
59	22 427 X	Washer (#10 Lock)	x
60	358 990 X1	Nut (#10 - 32 Hex.)	x
61	354 778 X1	Bolt (5/16 x 2-3/8" NF, Carr.)	x
62	354 784 X1	Bolt (5/16 x 3-3/8" NF, Carr.)	x
63	353 446 X1	Washer (5/16" Lock)	x
64	195 454 M1	Nut (5/16" NF, Hex., Special)	x
65	353 536 X1	Bolt (3/8 x 3/4" NF, Hex.)	x
66	353 434 X1	Washer (3/8" Lock)	x
67	353 431 X1	Nut (3/8" NF, Hex.)	x

Note: (A) - Used Tractor Serial No. 699919 and up.

FUEL TANK AND LINES

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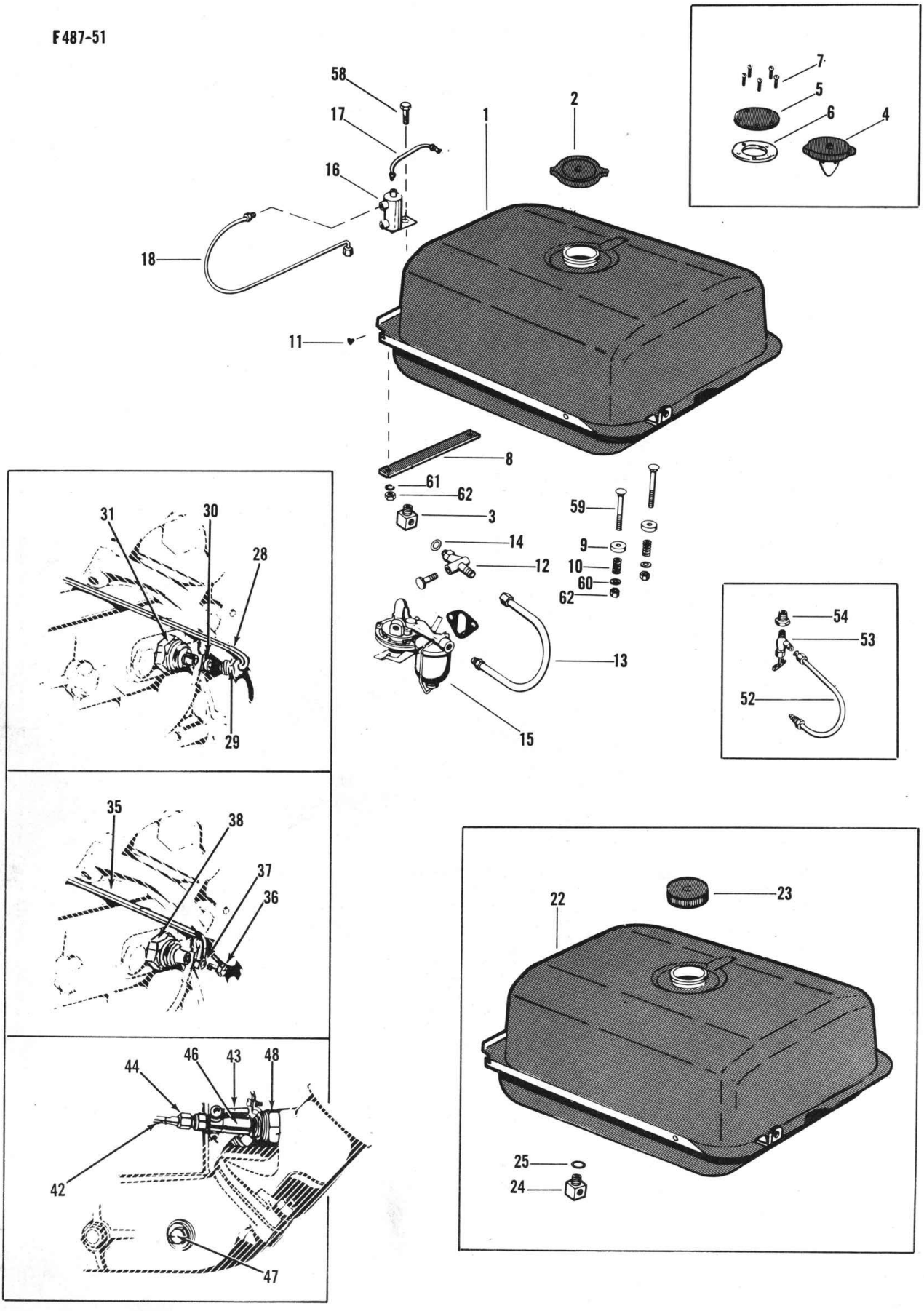

FUEL TANK AND LINES

REGULAR DIESEL

(USED PRIOR TO TRACTOR SERIAL NO. 677170)

Ref. No.	MF Numbers	Perkins No.	Description	No. Req.
1 (A)	188 377 M92		Tank Assembly, Fuel	1
2	188 716 M94		Cap Assembly, Fuel Tank Filler	1
3 (A)	188 773 M1		Elbow, Fuel Tank, Outlet	1
4 (B)	186 818 M91		Cap Assembly, Fuel Tank Filler (Order 188 716 M93)	1
5 (B)	188 116 M1		Cover, Fuel Tank Adapter Hole	1
6 (B)	189 605 M1		Gasket, Adapter Hole Cover	1
7 (B)	189 604 M1		Screw, Adapter Cover (#10 - 32 x 1/2", Special)	5
8	180 063 M1		Pad, Fuel Tank, Rear	1
9	180 086 M2		Pad, Fuel Tank, Front	2
10	187 227 M1		Spring, Fuel Tank, Front	2
11	187 253 M1		Bumper, Fuel Tank	6
12	890 033 M1		Shut-off, Fuel	1
13	828 207 M91		Hose Assembly, Shut-off to Fuel Pump (Plastic)(See item 52)	1
14	825 299 M1		Washer, Fuel Shut-off (Fiber)	1
15			Fuel Pump Assembly (See Page 91)	1
16	188 466 M91		Tank Assembly, Reserve Starting Fuel	1
17	827 979 M91		Line Assembly, Reserve Tank to Fuel Tank	1
18	827 977 M91		Line Assembly, Reserve Tank to Fuel Feed Back Line	1
22 (C)	188 345 M91		Tank Assembly, Fuel (Order 188 377 M92)	1
23	828 583 M91		Cap Assembly, Fuel Tank Filler	1
24 (C)	828 164 M1		Elbow, Fuel Tank Outlet	1
25 (C)	828 188 M1		Washer, Fuel Outlet Elbow	1
28 (D)	890 400 M91		Line Assembly, Reserve Tank to Manifold Heater	1
29 (D)	22 113 X	0576111	Nut, Manifold Heater Line	1
30 (D)	22 112 X	0566002	Sleeve, Manifold Heater Line	1
31 (D)	893 501 M91	2666102	Heater Assembly, Manifold	1
35 (E)	890 291 M91		Line Assembly, Reserve Tank to Manifold Heater	1
36 (E)	731 335 M91	32184319	Bolt, Connector (Banjo Type)	1
37 (E)	375 753 X1	0921168	Washer, Banjo Bolt	2
38 (E)	890 962 M91	35535	Heater Assembly, Manifold (Order 1 - 890 969 M91 and 1 - 890 400 M91)	1
42 (F)	827 981 M93		Line Assembly, Reserve Tank to Manifold Heater	1
43 (F)	731 940 M1	31437	Shut-off, Heater	1
44 (F)	375 798 X1	0920148	Washer, Heater Shut-off	1
44 (F)	644 145 M1	0570301	Nut, Heater Shut-off	1
46 (F)	644 144 M1	0560002	Nipple, Heater Shut-off	1
47 (F)	731 818 M1	0650722	Plug, Manifold	1
48 (F)	1 021 910 M91	33385	Heater Assembly, Manifold	1
52	189 506 M91		Line Assembly, Shut-off to Fuel Pump (Metal)	1
53	187 259 M1		Tap, Fuel Shut-off	1
54	832 368 M1		Bushing, Fuel Shut-off Tap	1
58	353 518 X1		Bolt (5/16 x 7/8" NF, Hex.)	x
59	354 783 X1		Bolt (5/16 x 3-1/4" NF, Carr.)	x
60	353 755 X1		Washer (5/16" Small Flat)	x
61	353 446 X1		Washer (5/16" Lock)	x
62	195 454 M1		Nut (5/16" NF, Hex.)	x

Notes: (A) - Used Tractor Serial No. 675618 and up.
(B) - Used w/188 377 M91 Fuel Tank.
(C) - Used prior to Tractor Serial No. 675618.
(D) - Used Engine Serial No. 280 4837 and up.
(E) - Banjo Type used prior to Engine Serial No. 280 4837.
(F) - Shut-off Type used prior to Engine Serial No. 280 4837.

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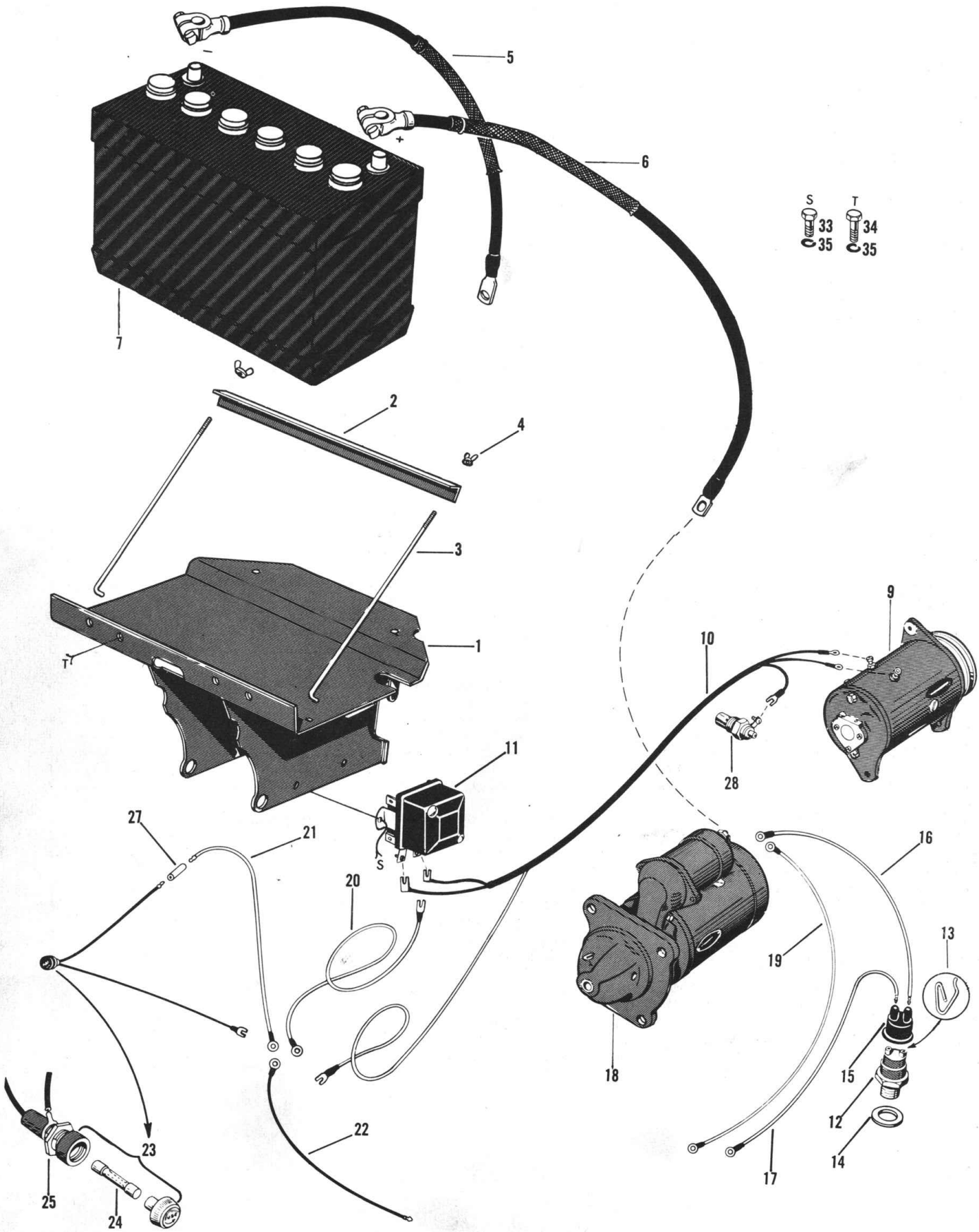
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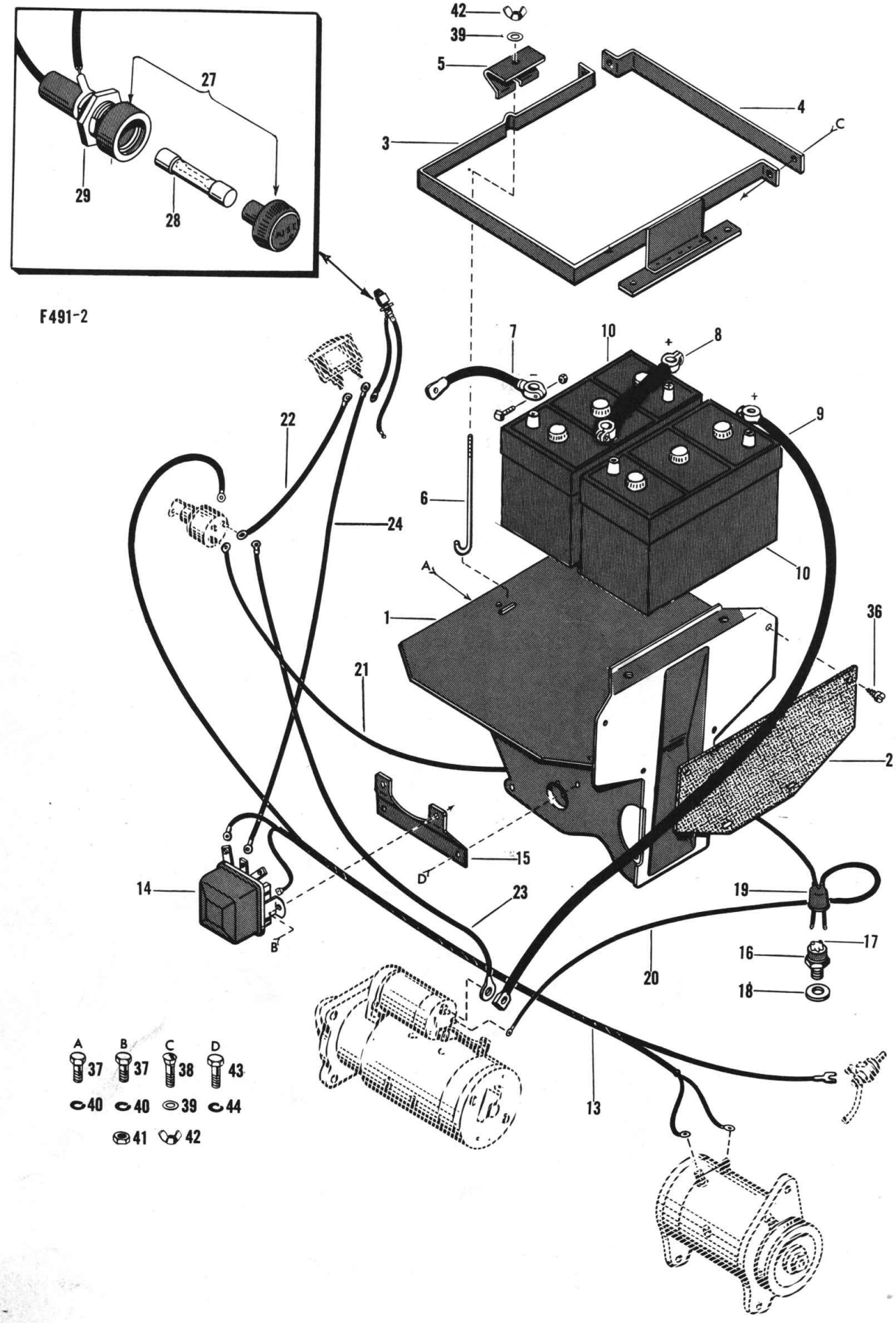
ELECTRICAL WIRING

DIESEL

(USED TRACTOR SERIAL NO. 677170 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	189 143 M93	Platform Assembly, Battery	1
2	189 116 M1	Clamp, Battery Hold Down	1
3	892 137 M1	Bolt, Battery Anchor	2
4	355 592 X1	Nut, Anchor Bolt (1/4" NC, Wing)	2
5	187 260 M92	Cable Assembly, Battery Ground	1
6	186 610 M93	Cable Assembly, Battery to Starter	1
7	832 709 M1	Battery	1
9		Generator Assembly (See Page 151)	1
10	189 210 M91	Harness Assembly, Generator	1
11	182 548 M92	Regulator Assembly, Voltage	1
12	181 140 M92	Switch Assembly, Neutral Safety	1
13	1 752 610 M2	Terminal, Safety Switch	2
14	181 142 M1	Washer, Neutral Safety Switch	1
15	180 776 M1	Boot, Neutral Safety Switch	1
16	186 759 M91	Wire Assembly, Safety Switch to Solenoid	1
17	186 764 M93	Wire Assembly, Starter Switch to Safety Switch	1
18		Starter Assembly (See Pages 153 and 155)	1
19	186 755 M92	Wire Assembly, Starter Switch to Solenoid	1
20	189 211 M91	Wire Assembly, Ammeter to Voltage Regulator (26-3/4" Long, White)	1
21	186 758 M91	Wire Assembly, Light Switch to Fuse	1
22	186 760 M92	Wire Assembly, Light Switch to Main Wire Harness	1
23	186 216 M91	Holder Assembly, Fuse	1
24	15 358 A	Fuse (20 Amp.)	1
25	186 232 M1	Washer, Fuse Holder	1
25	186 233 M1	Nut, Fuse Holder	1
27	187 531 M91	Connector Assembly (2 Way)	1
	185 172 M1	Strap, Wire Retaining	1
28	893 501 M91	Heater Assembly, Manifold (Perkins #2666103)	1
33	353 501 X1	Bolt (1/4 x 1/2" NF, Hex.)	x
34	353 502 X1	Bolt (1/4 x 5/8" NF, Hex.)	x
35	353 441 X1	Washer (1/4" Lock)	x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ELECTRICAL WIRING

DIESEL

(USED PRIOR TO TRACTOR SERIAL NO. 677170)

Ref. No.	Part No.	Description	No. Req.
1	890 067 M91	Platform Assembly, Battery	1
2	827 954 M1	Shield, Heat	1
3	186 617 M91	Strap Assembly, Battery	1
4	186 614 M1	Strap, Battery Lock-in	1
5	186 615 M1	Clip, Battery Hold Down	1
6	186 613 M1	Rod, Battery Hold Down	1
7	187 260 M92	Cable Assembly, Ground	1
8	186 649 M91	Cable Assembly, Battery to Battery	1
9	186 610 M93	Cable Assembly, Battery to Starter	1
10	832 700 M1	Battery	2
13	186 754 M91	Harness Assembly, Generator	1
14	182 548 M92	Regulator Assembly, Voltage	1
15	186 646 M1	Bracket, Regulator Mounting	1
16	181 140 M92	Switch Assembly,Neutral Safety	1
17	1 752 610 M2	Terminal, Safety Switch	1
18	181 142 M1	Washer, Neutral Safety Switch	1
19	180 776 M1	Boot, Neutral Safety Switch	1
20	186 759 M91	Wire Assembly, Safety Switch to Solenoid	1
21	186 764 M93	Wire Assembly, Starter Switch to Safety Switch	1
22	186 756 M91	Wire Assembly, Ammeter to Starter Switch	1
23	186 755 M92	Wire Assembly, Starter Switch to Solenoid	1
24	186 757 M91	Wire Assembly, Ammeter to Voltage Regulator	1
	186 758 M91	Wire Assembly, Light Switch to Fuse	1
	186 760 M92	Wire Assembly, Light Switch to Main Wire Harness	1
27	186 216 M91	Holder Assembly, Fuse	1
28	15 358 A	Fuse (20 Amp.)	1
29	186 232 M1	Washer, Fuse, Holder	1
	186 233 M1	Nut, Fuse Holder	1
	187 531 M91	Connector Assembly (2 Way)	1
36	196 011 M1	Screw (#10 x 3/8" Self Tapping)	x
37	353 501 X1	Bolt (1/4 x 1/2" NF, Hex.)	x
38	354 242 X1	Bolt (1/4 x 7/8" NF, Carr.)	x
39	353 754 X1	Washer (1/4" Small Flat)	x
40	353 441 X1	Washer (1/4" Lock)	x
41	353 918 X1	Nut (1/4" NF, Hex.)	x
42	355 582 X1	Nut (1/4" NF, Wing)	x
43	353 557 X1	Bolt (7/16 x 3/4" NF, Hex.)	x
44	353 432 X1	Washer (7/16" Lock)	x

GENERATOR

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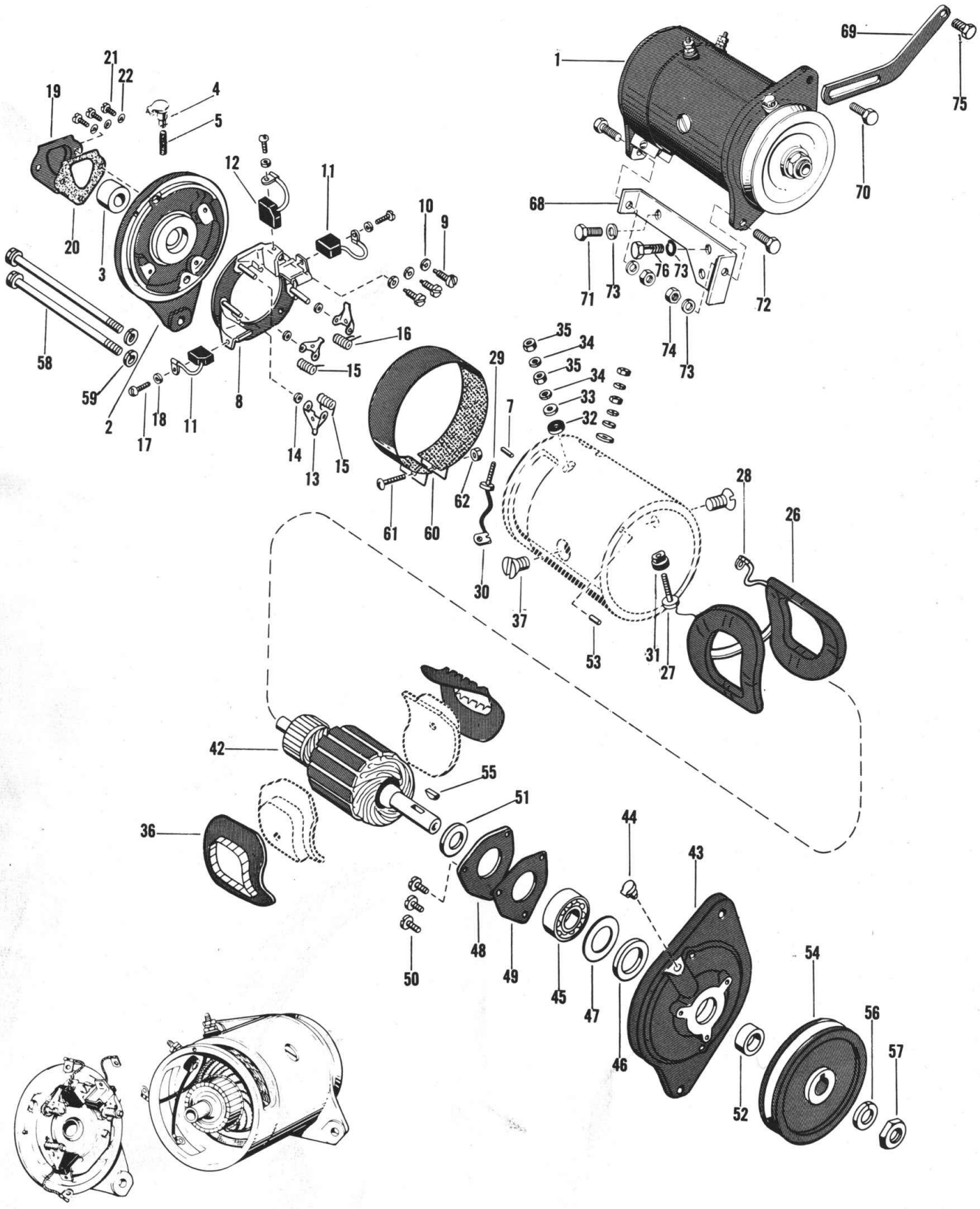

GENERATOR

DIESEL

Ref. No.	Part No.	Description	No. Req.
1	186 606 M91	Generator Assembly (Delco-Remy #1101-012)	1
2	1 028 565 M91	Head Assembly, Commutator End	1
3	1 750 415 M1	Bushing, Commutator End	1
4	1 750 460 M1	Oiler, Commutator End	1
5	1 022 604 M1	Wick, Oiler	1
7	1 750 394 M1	Pin, Locating, Commutator Head	1
8	1 755 013 M1	Plate, Brush Mounting	1
9	363 576 X1	Screw, Brush Plate	3
10	353 444 X1	Washer, Lock, Brush Plate Screw	3
11	1 755 035 M1	Brush, Main	2
12	1 755 036 M1	Brush, Third	1
13	1 755 014 M1	Arm, Brush	3
14	1 009 708 M1	Washer, Spacer, Brush Arm	3
15	1 755 015 M1	Spring, Brush (Third and Ground Main)	2
16	1 755 016 M1	Spring, Brush (Insulated Main)	1
17	22 591 X	Screw, Brush Lead Attaching	3
18	195 441 M1	Washer, Lock, Brush Lead Screw	3
19	1 750 431 M1	Plate, Commutator End Cover	1
20	1 750 423 M1	Gasket, Cover Plate	1
21	363 576 X1	Screw, Cover Plate	3
22	353 445 X1	Washer, Lock, Cover Plate Screw	3
26	1 751 879 M91	Coil Assembly, Field	1
27	1 750 869 M1	Stud, Field Terminal	1
28	1 751 478 M1	Clip, Field Coil	1
29	1 750 444 M91	Stud, Armature Terminal	1
30	1 751 478 M1	Clip, Armature Terminal Stud	1
31	1 750 442 M1	Bushing, Terminal Stud (Insulating)	2
32	1 750 443 M1	Washer, Terminal Stud (Insulating)	2
33	1 750 465 M1	Washer, Terminal Stud (Plain)	2
34	375 142 X1	Washer, Terminal Stud (Lock)	4
35	357 516 X1	Nut, Terminal Stud	4
36	1 750 516 M1	Insulation, Field Coil	2
37	363 710 X1	Screw, Pole Shoes	2
42	1 014 564 M91	Armature Assembly	1
43	1 750 441 M91	Head Assembly, Drive End	1
44	1 750 460 M1	Oiler, Drive End Head	1
45	15 363 X	Bearing, Ball, Drive End	1
46	1 500 195 M1	Washer, Felt, Drive End	1
47	1 750 429 M1	Retainer, Felt Washer	1
48	1 750 504 M1	Plate, Bearing Retainer	1
49	1 750 505 M1	Gasket, Bearing Retainer Plate	1
50	1 022 316 M1	Screw, Bearing Retainer Plate	3
51	1 750 404 M1	Washer, Thrust, Drive End	1
52	1 009 722 M1	Spacer, Pulley	1
53	1 750 396 M1	Pin, Locating, Drive End	1
54	1 755 017 M1	Pulley, Generator	1
55	353 465 X1	Key, Pulley	1
56	1 754 245 M1	Washer, Lock, Pulley	1
57	1 006 935 M1	Nut, Pulley Retaining	1
58	1 750 417 M1	Bolt, Generator, Thru	2
59	19 752 X	Washer, Lock, Thru Bolt	2
60	1 750 452 M91	Band Assembly, Cover	1
61	22 774 X	Screw, Cover Band	1
62	358 990 X1	Nut, Cover Band Screw	1
68	186 645 M1	Bracket, Generator Mounting	1
69	186 644 M1	Strap, Generator Adjusting	1
70	181 540 M1	Bolt (5/16 x 5/8" NC, Hex.)	x
71	353 516 X1	Bolt (5/16 x 5/8" NF, Hex.)	x
72	353 520 X1	Bolt (5/16 x 1-1/8" NF, Hex.)	x
73	353 446 X1	Washer (5/16" Lock)	x
74	353 916 X1	Nut (5/16" NF, Hex.)	x
75	353 546 X1	Bolt (3/8 x 2" NF, Hex.)	x
76	353 678 X1	Bolt (5/16 x 7/8" NC, Hex.)	x

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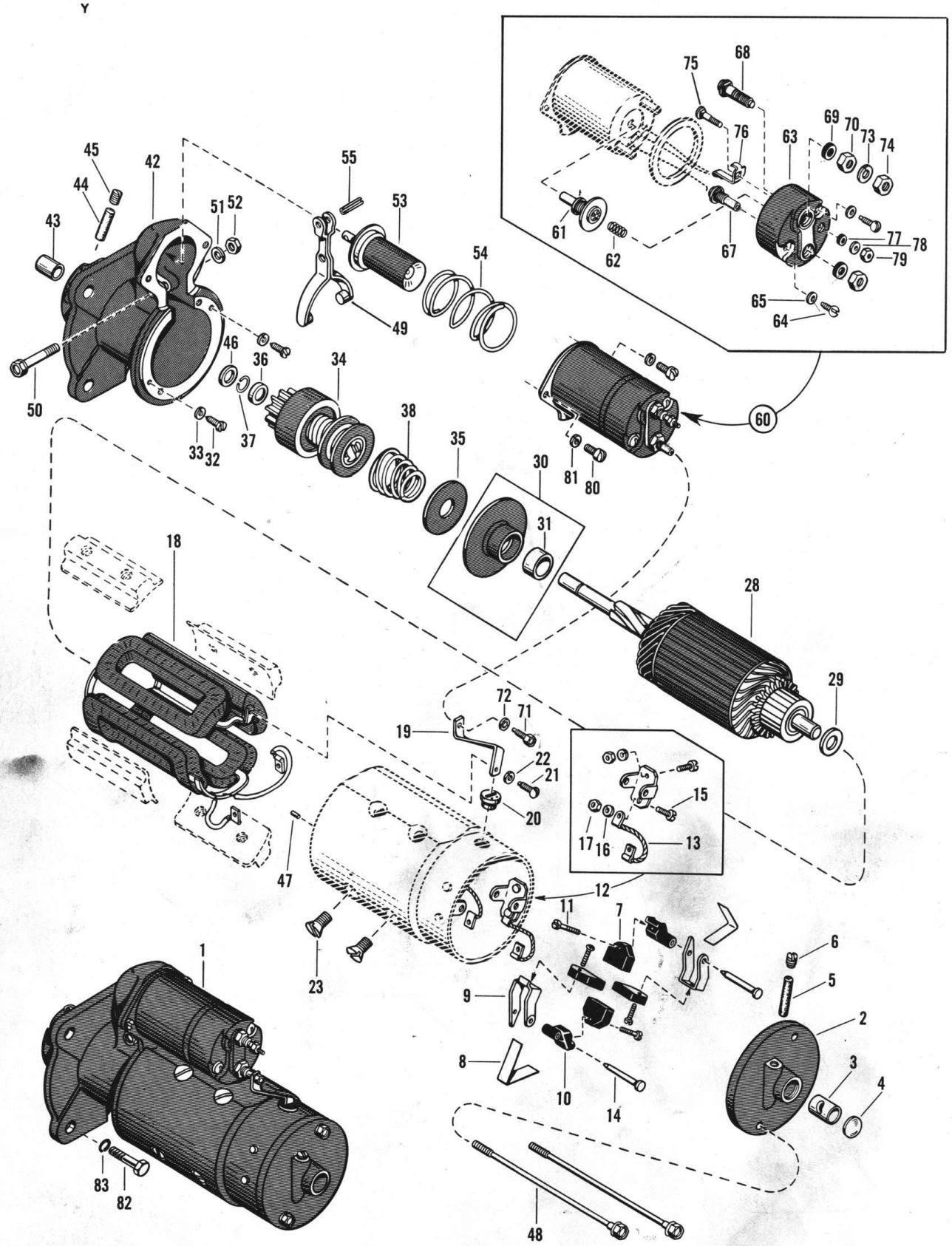
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STARTER

DIRECT INJECTION DIESEL

Ref. No.	Part No.	Description	No. Req.
1	191 081 M92	Starter Assembly (Delco-Remy #1107-512)	1
2	1 020 104 M91	Cover Assembly, Commutator End	1
3	1 022 450 M1	Bushing, Commutator End Cover	1
4	1 009 758 M1	Plug, Commutator End Cover	1
5	1 030 220 M1	Wick, Oil	1
6	195 591 M1	Plug, Oil Wick Hole	1
7	1 020 106 M1	Brush	4
8	1 751 893 M1	Spring, Brush Tension	2
9	1 030 218 M1	Holder, Brush (Ground)	2
10	1 751 895 M1	Holder, Brush (Insulated)	2
11	1 030 328 M1	Screw, Brush Attaching	4
12	1 751 897 M91	Support Assembly, Brush Holder	2
13	1 751 898 M1	Lead, Brush, Ground	2
14	1 751 899 M1	Pin, Brush Support	2
15	354 198 X1	Screw, Support	4
16	353 445 X1	Washer, Support Screw	4
17	354 120 X1	Nut, Support Screw	4
18	1 020 107 M91	Coil Assembly, Field	1
19	1 020 108 M1	Connector, Field Coil to Solenoid	1
20	1 020 109 M1	Grommet, Connector	1
21	363 584 X1	Screw, Lead to Connector	1
22	353 445 X1	Washer, Lead Attaching Screw	1
23	363 710 X1	Screw, Pole Shoe	8
28	1 026 534 M91	Armature Assembly	1
29	1 030 923 M1	Washer, Brake, Commutator End	1
30	1 754 262 M91	Plate Assembly, Center	1
31	1 009 767 M1	Bushing, Center Plate (3/4 x 13/16 x 23/32")	1
32	1 022 316 M1	Screw, Center Bearing Attaching	2
33	353 445 X1	Washer, Center Bearing Attaching Screw	2
34	1 018 050 M92	Drive Assembly, Starter	1
35	1 009 769 M1	Washer, Thrust, Center Bearing	1
36	1 009 774 M1	Collar, Drive Pinion Stop	1
37	1 009 773 M1	Ring, Snap, Collar Retaining	1
38	1 754 277 M1	Spring, Drive Assist	1
42	1 020 322 M91	Housing Assembly, Drive End	1
43	1 021 907 M1	Bushing, Drive End Housing	1
44	1 009 757 M1	Wick, Oil	1
45	195 591 M1	Plug, Oil Wick Hole	1
46	1 754 264 M1	Washer, Thrust, Drive End	1
47	1 750 396 M1	Pin, Drive End Housing Locating	1
48	1 024 981 M1	Bolt, Thru	2
49	1 754 280 M1	Lever Shift	1
50	1 754 307 M1	Screw, Shift Lever Pivot	1
51	353 446 X1	Washer, Shift Lever Pivot Screw	1
52	375 108 X1	Nut, Shift Lever Pivot Screw	1
53	1 030 583 M1	Plunger, Solenoid Switch	1
54	1 025 009 M1	Spring, Plunger	1
55	357 630 X1	Pin, Shift Lever to Plunger	1
60	1 025 381 M91	Switch Assembly, Solenoid	1
61	1 025 568 M91	Contact Assembly, Solenoid	1
62	1 009 864 M1	Spring, Contact Return	1
63	1 024 354 M1	Cover, Solenoid	1
64	363 584 X1	Screw, Cover	2
65	1 009 869 M1	Washer, Cover Screw	2
67	1 020 120 M1	Stud, Switch Contact Terminal	1
68	1 009 858 M1	Stud, Battery Contact Terminal	1
69	1 009 860 M1	Washer, Terminal Stud Insulating	2
70	375 109 X1	Nut, Terminal Stud	2
71	1 020 115 M1	Screw, Field Connector to Switch Terminal Stud	1
72	22 427 X	Washer, Switch Terminal Stud Screw	1
73	353 434 X1	Washer, Lock, Battery Terminal Stud	1
74	354 123 X1	Nut, Battery Terminal Stud	1
75	1 019 378 M1	Stud, Switch Terminal	1
76	1 031 215 M1	Clip, Switch Terminal Stud	1
77	1 009 869 M1	Washer, Terminal Stud Insulating	1
78	353 444 X1	Washer, Terminal Stud Lock	1
79	354 119 X1	Nut, Terminal Stud	1
80	357 458 X1	Screw, Switch Mounting	2
81	353 441 X1	Washer, Switch Mounting Screw	2
82	353 712 X1	Bolt, Starter Mounting (7/16 x 2-3/4" NC, Hex.)	2
83	353 432 X1	Washer (7/16" Lock)	2

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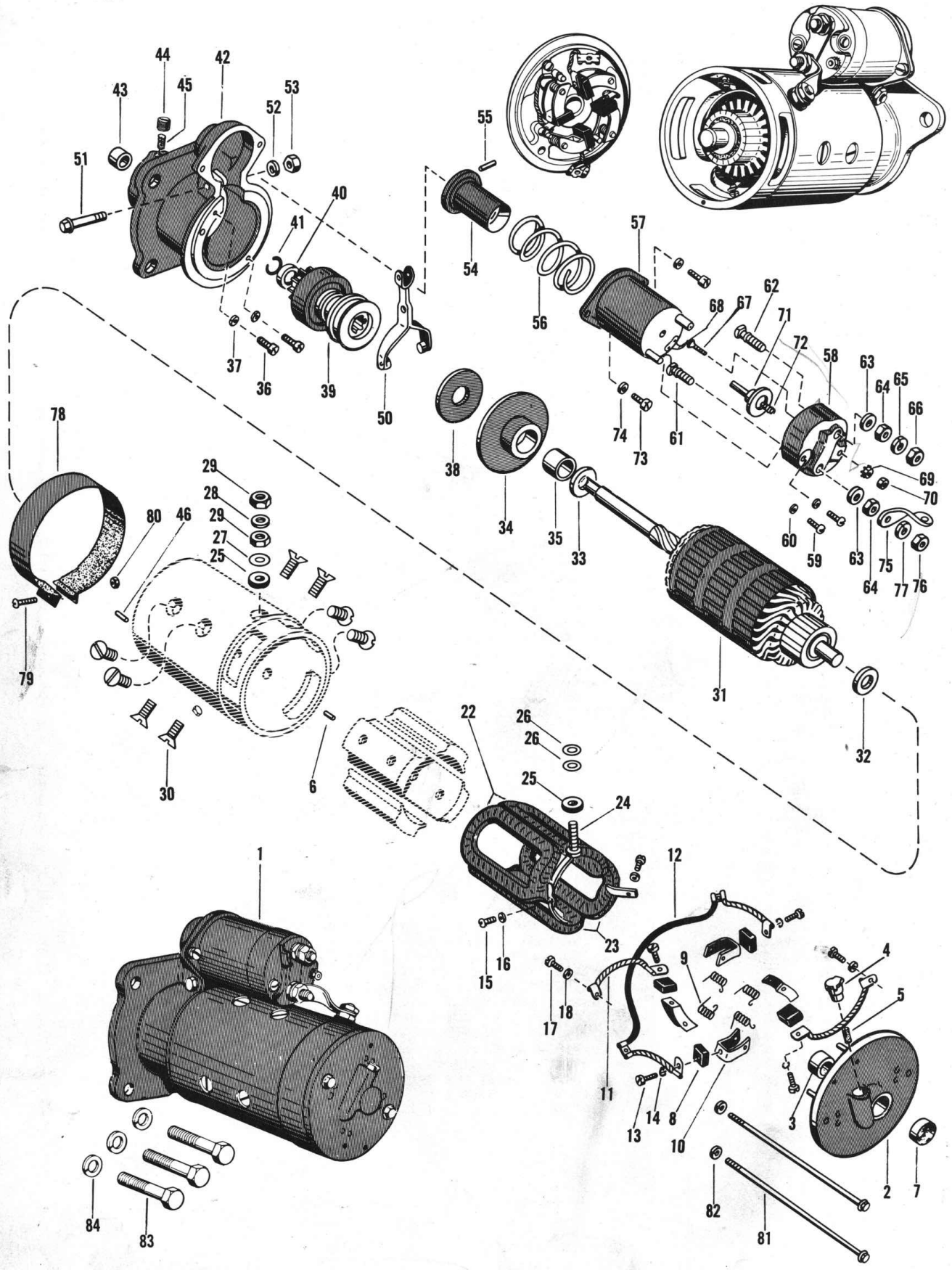
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STARTER

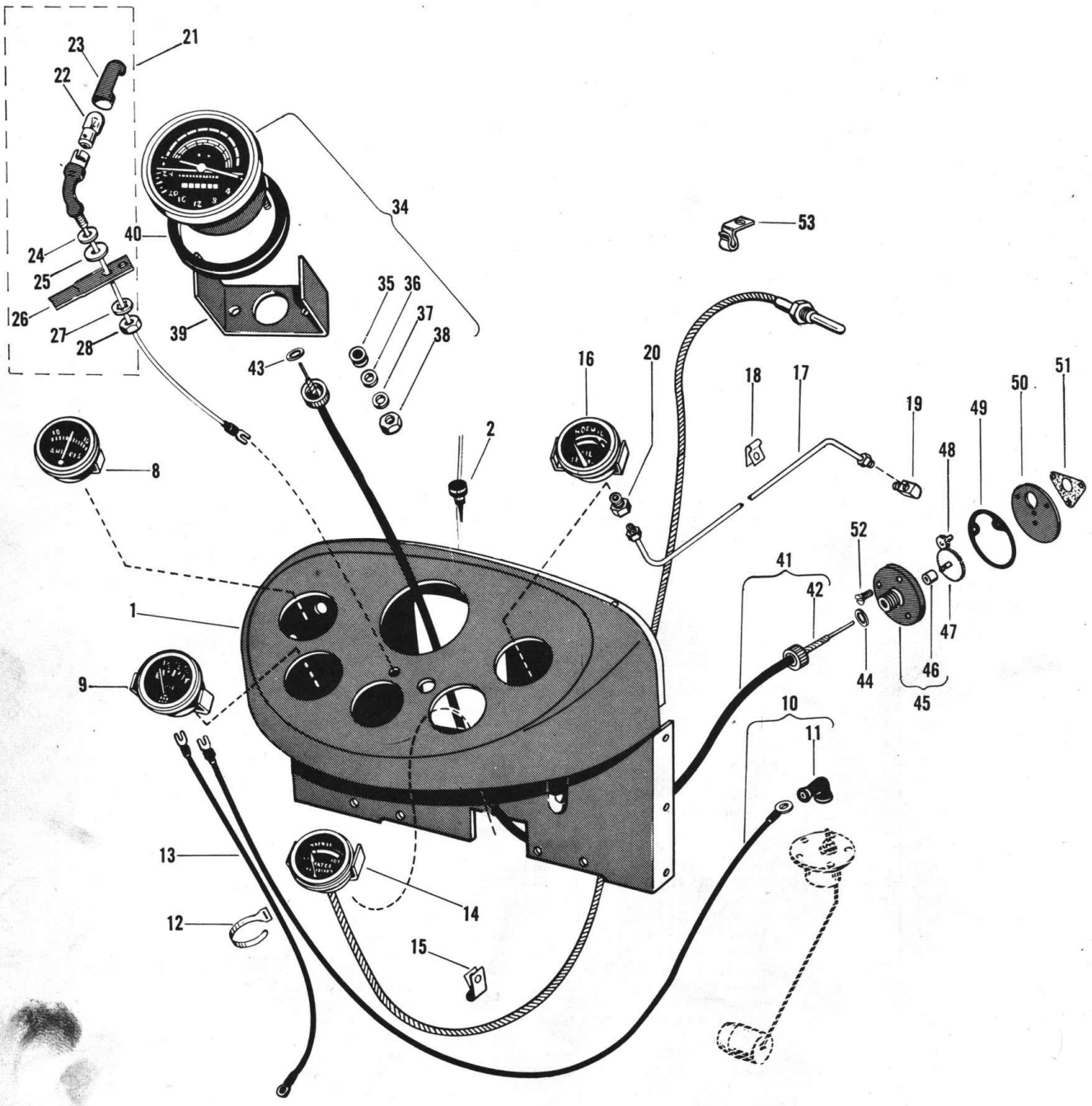
REGULAR DIESEL

Ref. No.	Part No.	Description	No. Req.	
1 (A)	189 117 M91	Starter Assembly (Delco-Remy #1107-503) (Order 191 081 M92)	1	-
1 (B)	186 665 M91	Starter Assembly (Delco-Remy #1108-662) (Order 191 081 M92)	-	1
2	1 028 568 M91	Cover Assembly, Commutator End	1	1
3	1 022 450 M1	Bushing, End Cover	1	1
4	1 754 255 M1	Oiler, End Cover	1	1
5	1 030 220 M1	Wick, Oiler	1	1
6	1 750 394 M1	Pin, Locating, Commutator End Cover	1	1
7	1 009 758 M1	Plug, End Cover	1	1
8	1 028 571 M1	Brush	4	4
9	1 754 258 M1	Spring, Brush	4	4
10	1 750 408 M1	Holder, Brush	4	4
11	1 754 259 M1	Lead, Brush Ground	2	2
12	1 754 260 M1	Lead, Brush Jumper	1	1
13	375 213 X1	Screw, Brush Attaching	4	4
14	195 441 M1	Washer, Brush Attaching Screw	4	4
15	353 446 X1	Screw, Jumper Lead to Field Coil	2	2
16	353 445 X1	Washer, Jumper Lead Screw	2	2
17	353 975 X1	Screw, Ground Lead Attaching	2	2
18	353 444 X1	Washer, Ground Lead Attaching Screw	2	2
22	1 018 048 M1	Coil, Field, Upper (Order 1 754 250 M1)	1	-
22	1 754 250 M1	Coil, Field, Upper	-	1
23	1 018 049 M1	Coil, Field, Lower (Order 1 754 251 M1)	1	-
23	1 754 251 M1	Coil, Field, Lower	-	1
24	1 028 566 M1	Stud, Terminal	1	1
25	1 751 886 M1	Washer, Terminal Stud Insulating (9/16" OD)	2	2
26	1 030 921 M1	Washer, Terminal Stud Insulating (25/64" OD)	2	2
27	1 751 888 M1	Washer, Terminal Stud (Plain)	1	1
28	353 434 X1	Washer, Terminal Stud (Lock)	2	2
29	357 109 X1	Nut, Terminal Stud	2	2
30	1 022 321 M1	Screw, Pole Shoes	8	8
31	1 026 534 M91	Armature Assembly	1	1
32	1 030 923 M1	Washer, Thrust, Commutator End	1	1
33	1 754 264 M1	Washer, Thrust, Drive End	1	1
34	1 754 262 M91	Bearing Assembly, Intermediate	1	1
35	1 009 767 M1	Bearing, Intermediate	1	1
36	1 022 316 M1	Screw, Intermediate Bearing Retaining	2	2
37	353 445 X1	Washer, Intermediate Bearing Screw	2	2
38	1 009 769 M1	Washer, Intermediate Bearing Thrust	1	1
39	1 018 050 M92	Drive Assembly, Bendix	1	1
40	1 009 774 M1	Collar, Pinion Stop	1	1
41	1 009 773 M1	Ring, Snap, Collar Retaining	1	1
42	1 755 022 M91	Housing Assembly, Drive End	1	1
43	1 021 907 M1	Bushing	1	1
44	1 754 219 M1	Plug, Drive End Housing	1	1
45	1 755 024 M1	Wick, Oiler	1	1
46	1 750 396 M1	Pin, Drive Housing Locating	1	1
50	1 754 280 M1	Lever, Shift	1	1
51	1 754 307 M1	Screw, Shift Lever to Drive Housing	1	1
52	353 446 X1	Washer, Shift Lever Screw	1	1
53	375 108 X1	Nut, Shift Lever Screw Retaining	1	1
54	1 030 583 M1	Plunger, Solenoid Switch	1	1
55	357 630 X1	Pin, Plunger to Shift Lever	1	1
56	1 025 009 M1	Spring, Plunger Return	1	1
57	1 755 027 M91	Solenoid Assembly (Order 1 025 381 M91, See Page 153)	1	1
58	1 024 354 M1	Cover, Solenoid	1	1
59	363 584 X1	Screw, Solenoid Cover Retaining	2	2
60	1 009 869 M1	Washer, Solenoid Cover Screw	2	2
61	1 754 285 M1	Contact, Terminal (Short)	1	1
62	1 009 858 M1	Contact, Terminal (Long)	1	1
63	1 009 860 M1	Washer, Terminal (Insulating)	2	2
64	375 109 X1	Nut, Terminal (Inner)	2	2
65	353 434 X1	Washer, Terminal (Lock)	1	1
66	354 123 X1	Nut, Terminal (Outer)	1	1
67	1 019 378 M1	Stud, Terminal	1	1
68	1 031 215 M1	Clip, Terminal Stud	1	1
69	1 009 869 M1	Washer, Terminal Stud	1	1
70	354 119 X1	Nut, Terminal Stud Retaining	1	1
71	1 025 568 M91	Contact Assembly	1	1
72	1 009 864 M1	Spring, Contact Return	1	1
73	357 458 X1	Screw, Switch Mounting	2	2
74	353 441 X1	Washer, Switch Mounting Screw	2	2
75	1 755 028 M1	Connector, Switch	1	1
76	375 109 X1	Nut, Connector to Switch	1	1
77	353 434 X1	Washer, Connector	1	1
78	1 754 252 M91	Cover Assembly, Band	1	1
79	355 747 X1	Screw, Cover Band	1	1
80	358 990 X1	Nut, Cover Band Screw Retaining	1	1
81	1 754 278 M1	Bolt, Thru	2	2
82	353 441 X1	Washer, Thru Bolt	2	2
83	353 712 X1	Bolt, Starter Mounting (7/16 x 2-3/4" NC, Hex.)	3	3
84	353 432 X1	Washer (7/16" Lock)	3	3

Notes: (A) - Used Tractor Serial No. 677170 and up.
(B) - Used prior to Tractor Serial No. 677170.

UPPER INSTRUMENT PANEL AND INSTRUMENTS

F906-3



UPPER INSTRUMENT PANEL AND INSTRUMENTS

GAS AND L.P.

Ref. No.	Part No.	Description	No. Req.
1 (A)	189 551 M91	Panel Assembly, Instrument (Agricultural)	1
1 (A)	190 130 M91	Panel Assembly, Instrument (Utility)	1
1 (B)	184 239 M91	Panel Assembly, Instrument	1
2	180 673 M1	Bumper, Hood	4
	359 346 X1	Plug, Fuel Gauge Hole (2" Button Type)	1
	359 357 X1	Plug, Dash Lamp Hole (7/8" Button Type)	1
8	180 107 M91	Ammeter Assembly	1
9 (C)	193 950 M91	Gauge Assembly, Fuel	1
10 (C)	189 213 M91	Wire Assembly, Fuel Gauge to Sending Unit	1
11	189 254 M1	Sleeve, Fuel Gauge Wire	1
12 (C)	1 751 387 M1	Clip, Fuel Gauge Wire Retaining	1
13 (C)	189 608 M91	Wire Assembly, Fuel Gauge to Starter Switch	1
14	182 652 M91	Gauge Assembly, Water Temperature	1
15	184 857 M1	Clip, Water Temperature Cable Retaining (on Cylinder Head Bolts)	3
16	180 100 M93	Gauge Assembly, Oil Pressure	1
17	184 428 M91	Line Assembly, Oil Pressure	1
18	180 739 M1	Clip, Oil Line Retaining (on Choke Bracket)	1
19	195 443 M1	Elbow, Oil Line (in Block)	1
20	195 439 M1	Connector, Oil Line (at Gauge)	1
21 (A)	677 286	Dash Lamp Kit	1
22	189 625 M1	Bulb, Dash Lamp	1
23	189 562 M1	Hood, Dash Lamp Bulb	1
24	190 787 M1	Washer, Upper (21/64 x 9/16 x 1/16" Fiber)	1
25	190 788 M1	Washer, Lower (21/64 x 11/16 x 1/16" Fiber)	1
26	190 789 M1	Strap, Ground	1
27	357 185 X1	Washer (21/64 x 5/8" Spring Type)	1
28	195 454 M1	Nut, Dash Lamp Retaining (5/16" NF, Hex., Special)	1
34	193 967 M91	Tractormeter Assembly (Used w/1500-540 Transmission)	1
34	193 969 M91	Tractormeter Assembly (Used w/1700-540 Transmission)	1
34	193 955 M91	Tachometer Assembly (Utility)	1
35	1 751 292 M1	Grommet	2
36	22 776 X	Washer (#10 Flat)	2
37	353 445 X1	Washer (#10 Lock)	2
38	358 990 X1	Nut (#10 - 32 Hex.)	2
39	509 598 M2	Bracket, Meter Mounting	1
40	183 505 M2	Pad, Meter Cushion	1
41	506 332 M91	Shaft Assembly, Meter Drive (Flexible)	1
42	1 753 430 M1	Cable, Inner (42-29/32" Long)	1
43	1 031 657 M1	Gasket, Meter End (3/8 x 5/8 x 1/16")	1
44	1 031 658 M1	Gasket, Drive End (3/8 x 13/16 x 1/16")	1
45	1 751 295 M91	Housing Assembly, Drive	1
46	835 086 M1	Bearing, Needle	1
47	1 751 301 M92	Gear Assembly, Driven	1
48	1 751 304 M1	Pinion, Drive	1
49	1 751 298 M1	Gasket, Plate to Housing	1
50	1 751 299 M1	Plate Assembly	1
51	1 750 423 M1	Gasket, Plate to Generator	1
52	354 204 X1	Screw (#8 - 32 x 7/8" Ctsk. Hd.)	3
53	192 396 M2	Clip, Cable	1

Notes: (A) - Used Tractor Serial Number 685394 and up.
(B) - Used prior to Tractor Serial Number 685394.
(C) - Used Tractor Serial Number 679883 and up.

LOWER INSTRUMENT PANEL AND SWITCHES

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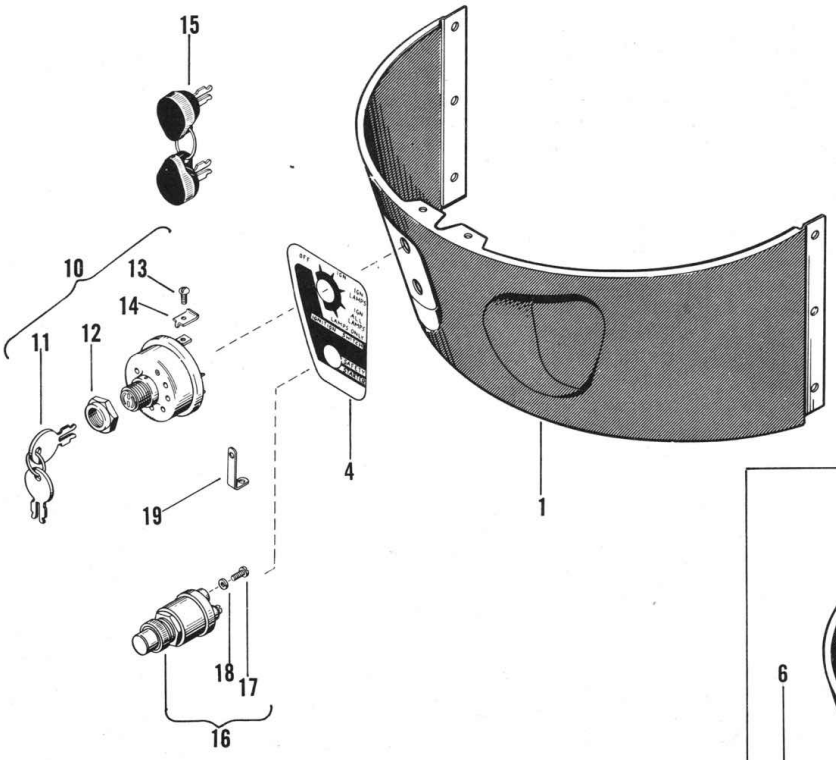

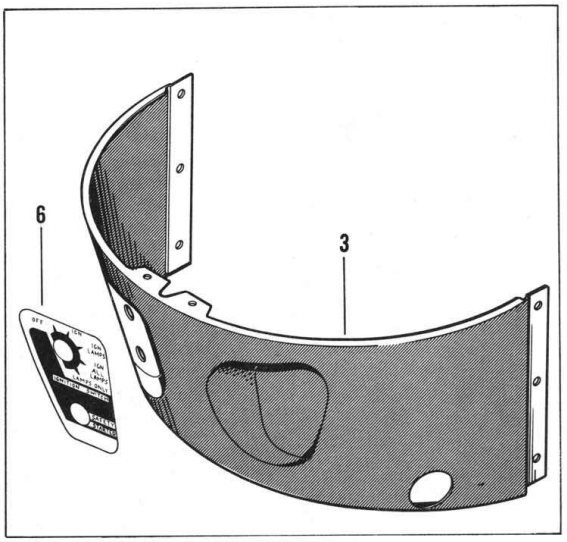

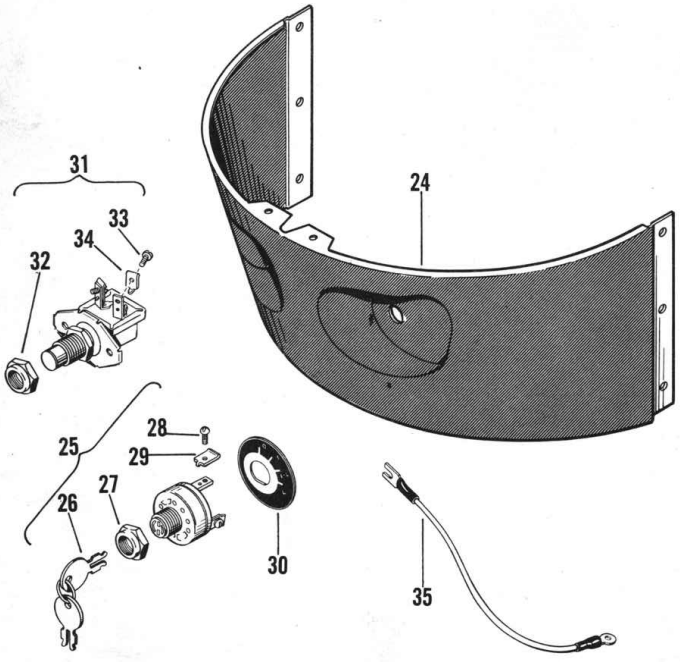

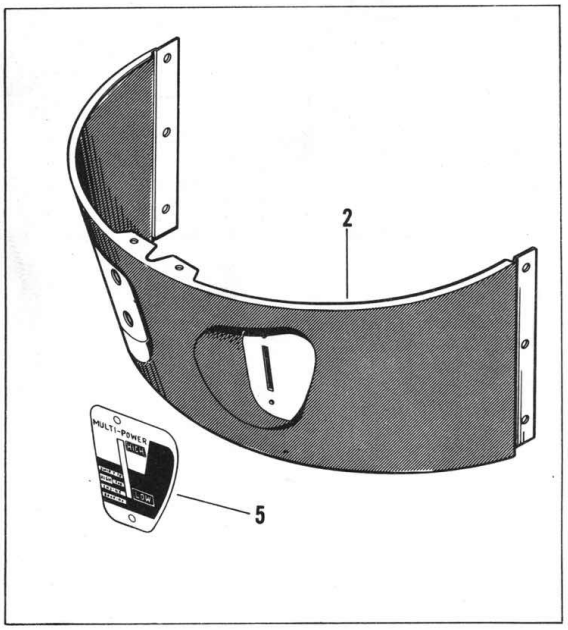

LOWER INSTRUMENT PANEL AND SWITCHES

GAS AND L.P.

Ref. No.	Part No.	Description	No. Req.
1 (A)	182 354 M2	Panel, Instrument (Used w/Regular Transmission)	1
2	187 138 M1	Panel, Instrument (Used w/Multi-Power Transmission)	1
3	192 333 M1	Panel, Instrument (Used w/Manual Shuttle Transmission)	1
4 (A)	187 116 M1	Plate, Switch Index (Agricultural) (Red Background)	1
5	189 093 M1	Plate, Shift (Multi-Power Transmission)	1
6	191 462 M1	Plate, Switch Index (Utility) (Yellow Background)	1
10 (A)	189 527 M91	Switch Assembly, Ignition and Lighting	1
11	180 292 M1	Key, Switch (See Item 15) (Order 192 427 M91)	2
12	180 293 M1	Nut, Switch Retaining	1
13	353 124 X1	Screw, Switch Terminal (#8 - 32 x 1/4" Rd. Hd.)	4
14	180 231 M1	Clip, Wire	4
15	192 427 M91	Key Assembly, Ignition (Must be ordered as separate Item)	2
16 (B)	189 158 M91	Switch Assembly, Starter	1
17	353 124 X1	Screw, Switch (#8 - 32 x 1/4" Rd. Hd.)	2
18	353 444 X1	Washer, Switch Screw (#8 Lock)	2
19 (A)	189 529 M1	Bar, Buss, Switch Connecting	1
24 (C)	182 354 M2	Panel, Instrument, Lower	1
25 (C)	180 681 M93	Switch Assembly, Ignition and Lighting	1
26	180 292 M1	Key, Switch (Order 192 427 M91)	2
27	180 293 M1	Nut, Switch Retaining	1
28	353 975 X1	Screw, Switch Terminal (5/32 x 1/4" NC, Rd. Hd.)	3
29	180 231 M1	Clip, Wire	3
30 (C)	180 683 M1	Plate, Switch Index	1
31 (D)	181 141 M91	Switch Assembly, Starter (Order 189 158 M91)	1
32	180 293 M1	Nut, Switch Retaining	1
33	353 975 X1	Screw, Switch Terminal (5/32 x 1/4" NC, Rd. Hd.)	2
34	180 231 M1	Clip, Wire	2
35 (C)	182 658 M94	Wire Assembly, Ignition Switch to Starter Switch	1

Notes: (A) - Used Tractor Serial No. 685394 and up.
(B) - Used Tractor Serial No. 679287 and up.
(C) - Used prior to Tractor Serial No. 685394.
(D) - Used prior to Tractor Serial No. 679287.

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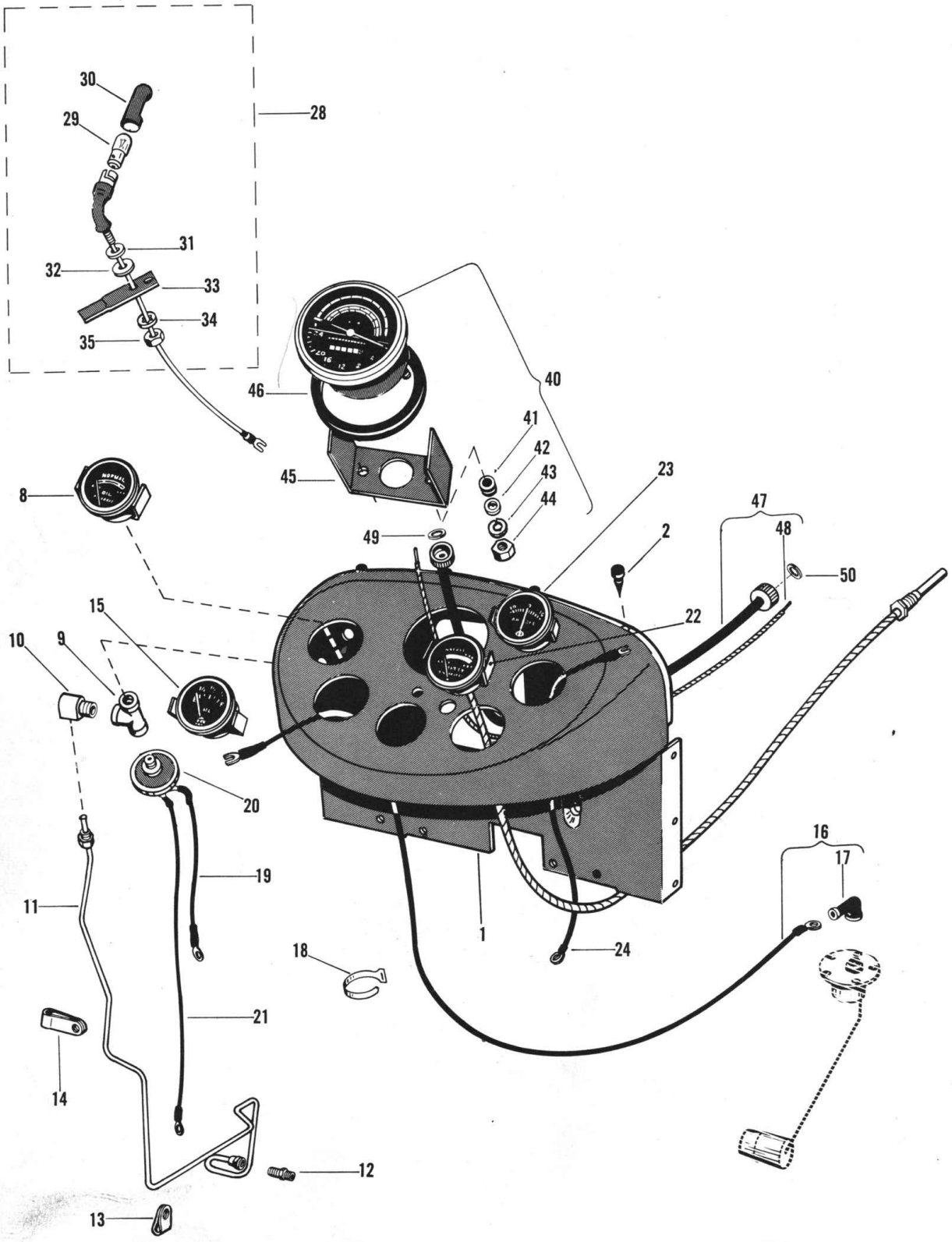
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UPPER INSTRUMENT PANEL AND INSTRUMENTS

DIESEL

Ref. No.	Part No.	Description	No. Req.
1 (A)	189 551 M91	Panel Assembly, Instrument (Agricultural)	1
1 (A)	190 130 M91	Panel Assembly, Instrument (Utility)	1
1 (B)	184 239 M91	Panel Assembly, Instrument (Agricultural and Utility)	1
1	188 404 M91	Panel Assembly, Instrument (Special)	1
2	180 673 M1	Bumper, Hood	4
	359 357 X1	Plug, Dash Lamp Hole (7/8" Button Type)	1
8	180 100 M93	Gauge Assembly, Oil Pressure	1
9	509 729 M1	Tee, Oil Line and Pressure Switch	1
10	195 443 M1	Elbow, Oil Line to Tee	1
11	187 464 M91	Line Assembly, Oil Pressure	1
12	195 439 M1	Connector, Oil Line to Block	1
13	827 632 M1	Clip, Oil Line (Lower)	1
14	828 052 M1	Clip, Oil Line (Upper)	1
15	193 950 M91	Gauge Assembly, Fuel	1
16	189 213 M91	Wire Assembly, Fuel Gauge to Sending Unit	1
17	189 254 M1	Sleeve, Wire	1
18	1 751 387 M1	Clip, Fuel Gauge Wire	1
19	767 711 M91	Wire Assembly, Fuel Gauge to Pressure Switch	1
20	1 002 612 M92	Switch Assembly, Pressure	1
21	187 675 M91	Wire Assembly, Pressure Switch to Ammeter	1
22	182 652 M91	Gauge Assembly, Water Temperature	1
23	180 107 M91	Ammeter Assembly	1
24	186 756 M91	Wire Assembly, Ammeter to Starter Switch	1
28	677 286	Dash Lamp Kit	1
29	189 625 M1	Bulb, Dash Lamp	1
30	189 562 M1	Hood, Dash Lamp	1
31	190 787 M1	Washer, Upper (21/64 x 9/16 x 1/16" Fiber)	1
32	190 788 M1	Washer, Lower (21/64 x 11/16 x 1/16" Fiber)	1
33	190 789 M1	Strap, Ground	1
34	357 185 X1	Washer (21/64 x 5/8" Spring Type)	1
35	195 454 M1	Nut (5/16" NF, Hex., Special)	1
40	193 967 M91	Tractormeter Assembly (Used w/1500-540 Transmission) (MPH)	1
40	193 969 M91	Tractormeter Assembly (Used w/1700-540 Transmission) (MPH)	1
40	193 973 M91	Tractormeter Assembly (KPH-Export)	1
40	193 955 M91	Tachometer Assembly (Utility)	1
41	1 751 292 M1	Grommet	2
42	22 776 X	Washer (#10 Flat)	2
43	353 445 X1	Washer (#10 Lock)	2
44	358 990 X1	Nut (#10 - 32, Hex.)	2
45	509 598 M2	Bracket, Meter Mounting	1
46	183 505 M2	Pad, Meter Cushion	1
47	506 334 M91	Shaft Assembly, Meter Drive (Flexible)	1
48	1 754 943 M1	Cable, Inner	1
49	1 031 756 M1	Gasket, Meter End (3/8 x 5/8 x 1/16")	1
50	1 031 658 M1	Gasket, Drive End (3/8 x 13/16 x 1/16")	1

Notes: (A) - Used Tractor Serial Number 677 171 and up.
(B) - Used prior to Tractor Serial Number 677 171.

LOWER INSTRUMENT PANEL AND SWITCH

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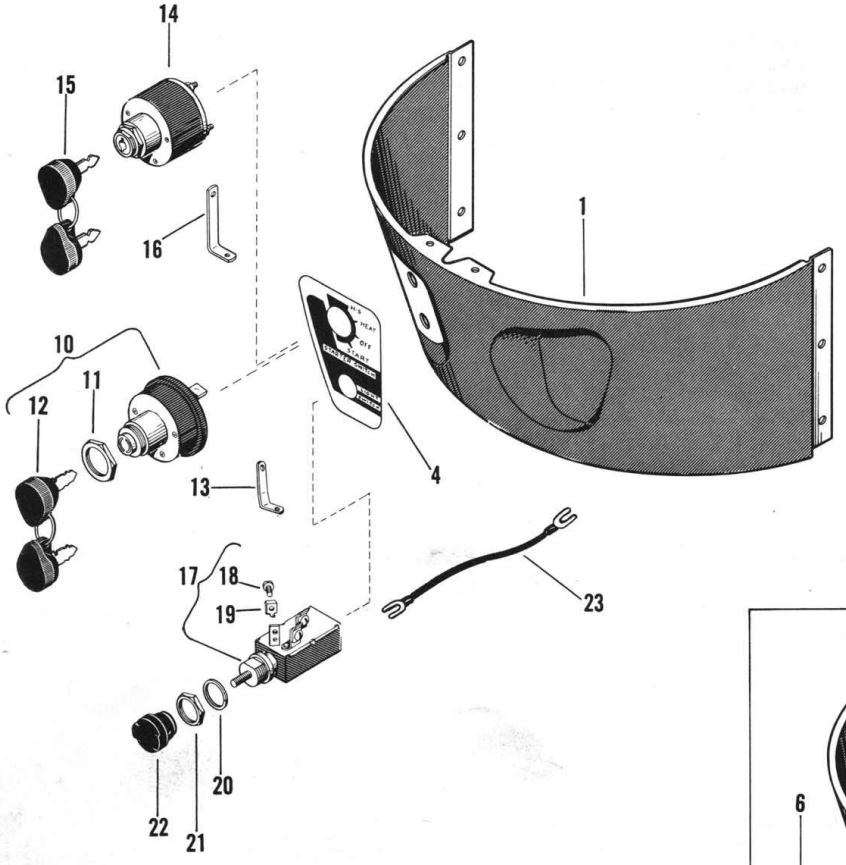

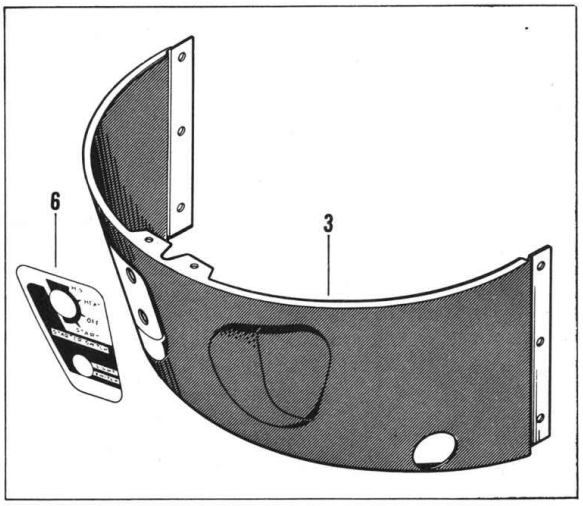

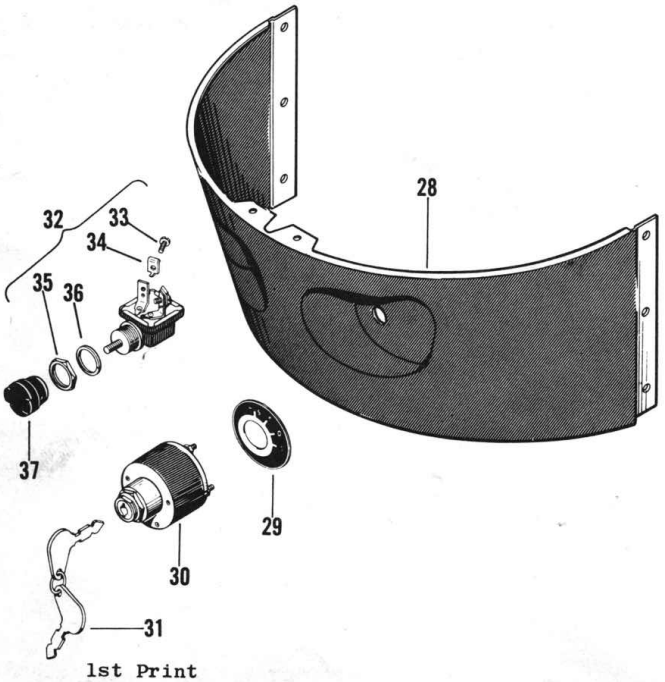

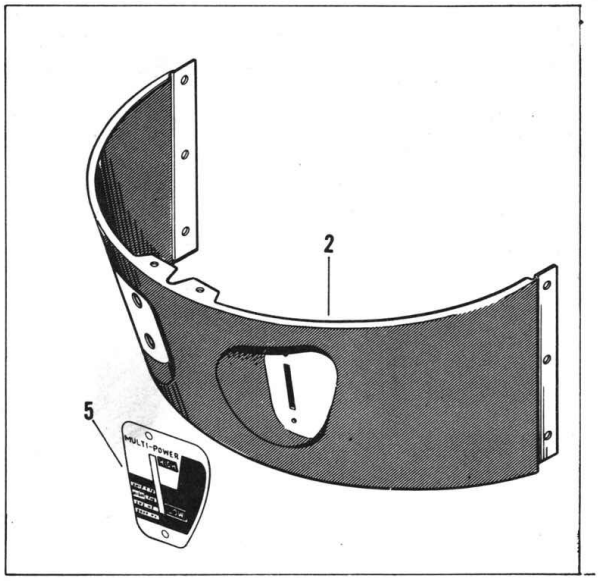

LOWER INSTRUMENT PANEL AND SWITCHES

DIESEL

Ref. No.	Part No.	Description	No. Req.
1 (A)	186 461 M3	Panel, Instrument (Used w/Regular Transmission)	1
2	187 172 M2	Panel, Instrument (Used w/Multi-Power Transmission)	1
3	192 334 M1	Panel, Instrument (Used w/Manual Shuttle Transmission)	1
4 (A)	187 117 M2	Plate, Switch Index (Agricultural) (Red Background)	1
5	189 093 M1	Plate, Shift (Multi-Power Transmission)	1
6	191 461 M2	Plate, Switch Index (Utility) (Yellow Background)	1
10 (B)	192 921 M91	Switch, Heater and Starter (Cole-Hersee)	1
11	192 924 M1	Nut, Switch Retaining (3/4" - 32 Special)	1
12	192 923 M1	Key, Starter Switch (for Cole-Hersee Switch)	2
13	192 925 M2	Bar, Buss, Switch Connecting (for Cole-Hersee Switch)	1
14 (B)	829 141 M3	Switch, Heater and Starter (Lucas)	1
15	829 741 M1	Key, Starter Switch (for Lucas Switch)	2
16	189 593 M1	Bar, Buss, Switch Connecting (for Lucas Switch)	1
17 (D)	189 526 M92	Switch Assembly, Lights (w/3 Contact Terminals)	1
18	353 975 X1	Screw (#8 - 32 x 1/4" Rd. Hd.)	3
19	180 231 M1	Clip, Wire	3
20	1 754 067 M1	Washer, Lock, Switch Retaining Nut	1
21	1 018 353 M1	Nut, Switch Retaining	1
22	186 959 M91	Knob Assembly, Light Switch	1
23	193 949 M1	Wire, Light Switch to Ammeter (23-3/4" Long, Yellow)	1
28 (C)	186 461 M1	Panel, Instrument, Lower (Order 186 461 M3)	1
29 (C)	827 052 M1	Plate, Switch Index	1
30	829 141 M3	Switch, Heater and Starter (Lucas)	1
31	829 741 M1	Key, Switch	2
32 (E)	184 989 M91	Switch Assembly, Lights (w/2 Contact Terminals)	1
33	353 975 X1	Screw (#8 - 32 x 1/4" Rd. Hd.)	2
34	180 231 M1	Clip, Wire	2
35	1 754 066 M1	Nut, Switch Retaining	1
36	1 754 067 M1	Washer, Lock, Retaining Nut	1
37	186 959 M91	Knob Assembly, Light Switch	1

Notes: (A) - Used Tractor Serial No. 683589 and up.
(B) - Cole-Hersee and Lucas Switches are alternates; check switch and associated parts carefully before ordering.
(C) - Used prior to Tractor Serial No. 683589.
(D) - Used Late Production Machines.
(E) - Used Early Production Machines.

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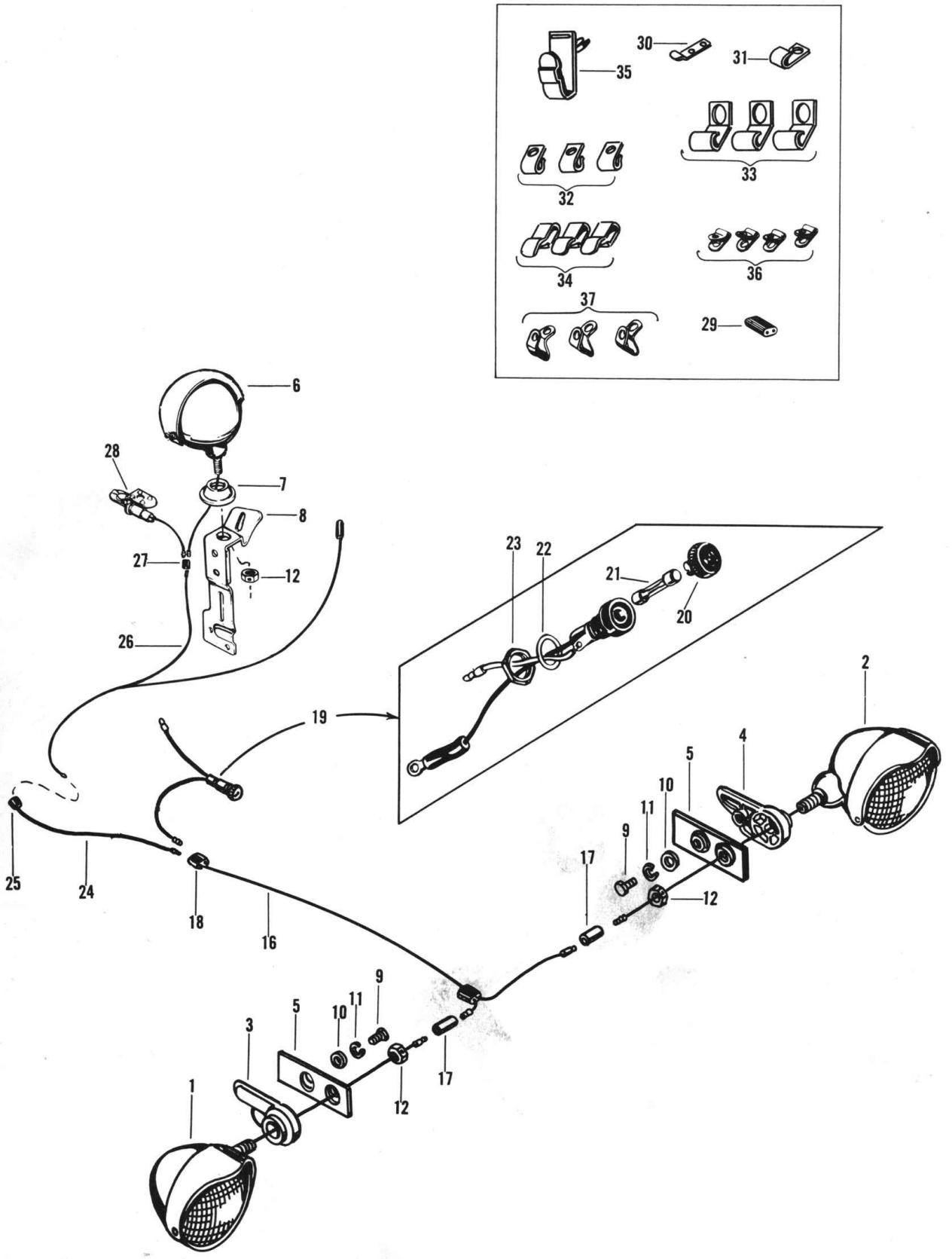
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UNIVERSAL TYPE LAMPS

(USED LATE MODEL TRACTORS)

Ref. No.	Part No.	Description	No. Req.
1	186 141 M91	Head Lamp Assembly, Right Hand (See Page 167)	1
2	186 142 M91	Head Lamp Assembly, Left Hand (See Page 167)	1
3	1 750 675 M1	Support, Head Lamp, Right Hand (Order 510 438 M1)	1
4	1 750 676 M1	Support, Head Lamp, Left Hand (Order 510 439 M1)	1
5	1 751 760 M3	Reinforcement, Head Lamps	2
6	193 599 M91	Tail Lamp Assembly, Work and Warning (See Page 167)	1
7	1 750 677 M1	Support, Tail Lamp	1
8	1 750 674 M1	Bracket, Tail Lamp Mounting	1
9	353 514 X1	Bolt (5/16 x 3/8" NF, Hex.)	2
10	353 775 X1	Washer (5/16" Small Flat)	2
11	353 446 X1	Washer (5/16" Lock)	2
12	195 982 M1	Nut (1/2" NF, Hex., Special)	3
16	186 219 M91	Wire Assembly, Head Lamp	1
17	187 531 M91	Connector Assembly (2 Way)	2
18	1 750 618 M91	Connector Assembly (4 Way)	1
19	186 216 M91	Holder Assembly, Fuse	1
20	1 010 110 M91	Knob Assembly, Fuse Holder	1
21	15 358 A	Fuse (20 Amp.)	1
22	186 232 M1	Washer, Fuse Holder	1
23	186 233 M1	Nut, Fuse Holder	1
24	186 420 M91	Wire Assembly, Main	1
25	1 750 618 M91	Connector Assembly (4 Way)	1
26	186 447 M91	Wire Assembly, Tail Lamp	1
27	187 531 M91	Connector Assembly (2 Way)	1
28	1 751 353 M2	Socket, Auxiliary Light	1
29	1 750 618 M91	Connector Assembly (4 Way)	1
30	182 952 M1	Clip, Wire	1
31	186 425 M1	Clip, Wire	1
32	187 955 M1	Clip, Wire	3
33	185 321 M1	Clip, Wire	3
34	1 750 678 M1	Clip, Wire	3
35	186 945 M1	Clip, Wire	1
36	180 746 M2	Clip, Wire	4
37	1 750 679 M1	Clip, Wire	3

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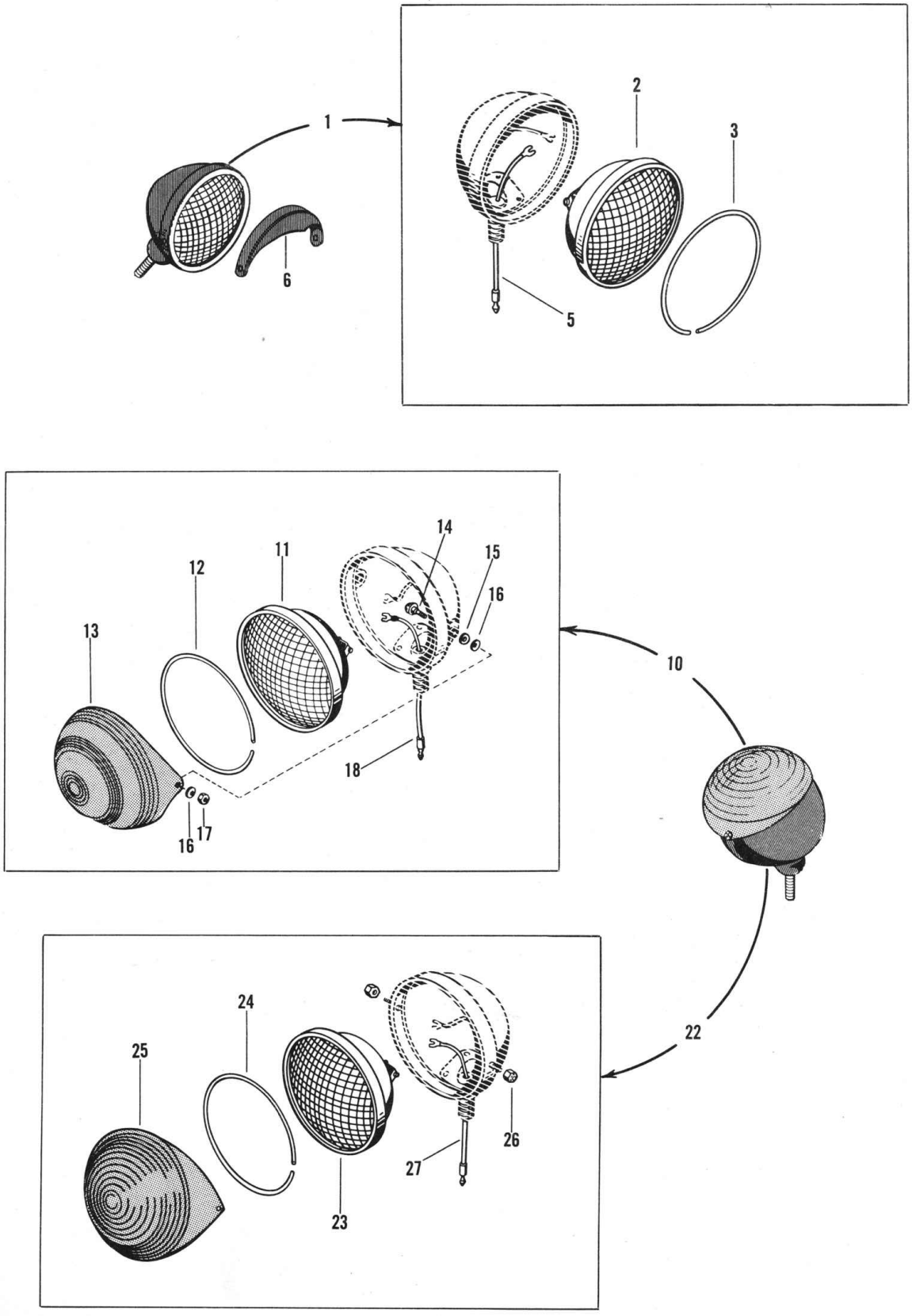

Ref. No.	Part No.	Description	No. Req.
1	186 141 M91	Head Lamp Assembly, Right Hand	1
1	186 142 M91	Head Lamp Assembly, Left Hand	1
2	1 754 916 M91	Bulb Assembly, Head Lamp	1
3	1 754 918 M1	Ring, Bulb Retaining	1
5	1 750 650 M91	Wire Assembly, Head Lamp	1
6	1 754 666 M1	Visor, Head Lamp	2
10 (A)	193 599 M91	Tail Lamp Assembly, Work and Warning	1
11	1 754 916 M91	Bulb Assembly, Tail Lamp	1
12	1 754 918 M1	Ring, Snap, Bulb Retaining	1
13	1 023 205 M1	Lens, Warning (Red)	1
14	1 023 202 M1	Screw, Lens Retaining (#10 NF, Special)	2
15	1 023 203 M1	Washer, Bushing (#10 Spring Type)	2
16	1 023 204 M1	Washer, Lens (#10 Spring Type)	4
17	358 990 X1	Nut (#10 NF, Hex.)	2
18	1 750 650 M91	Wire Assembly, Tail Lamp	1
22 (B)	186 140 M91	Tail Lamp Assembly, Work and Warning (Order 193 599 M91)	1
23	1 754 916 M91	Bulb Assembly, Tail Lamp	1
24	1 754 918 M1	Ring, Snap, Bulb Retaining	1
25	1 754 667 M2	Lens, Warning (Red)	1
26	1 754 920 M1	Nut, Lens Retaining	2
27	1 754 650 M91	Wire Assembly, Tail Lamp	1

Notes: (A) - Used Tractor Serial No. 698872 and up.
(B) - Used prior to Tractor Serial No. 698872.

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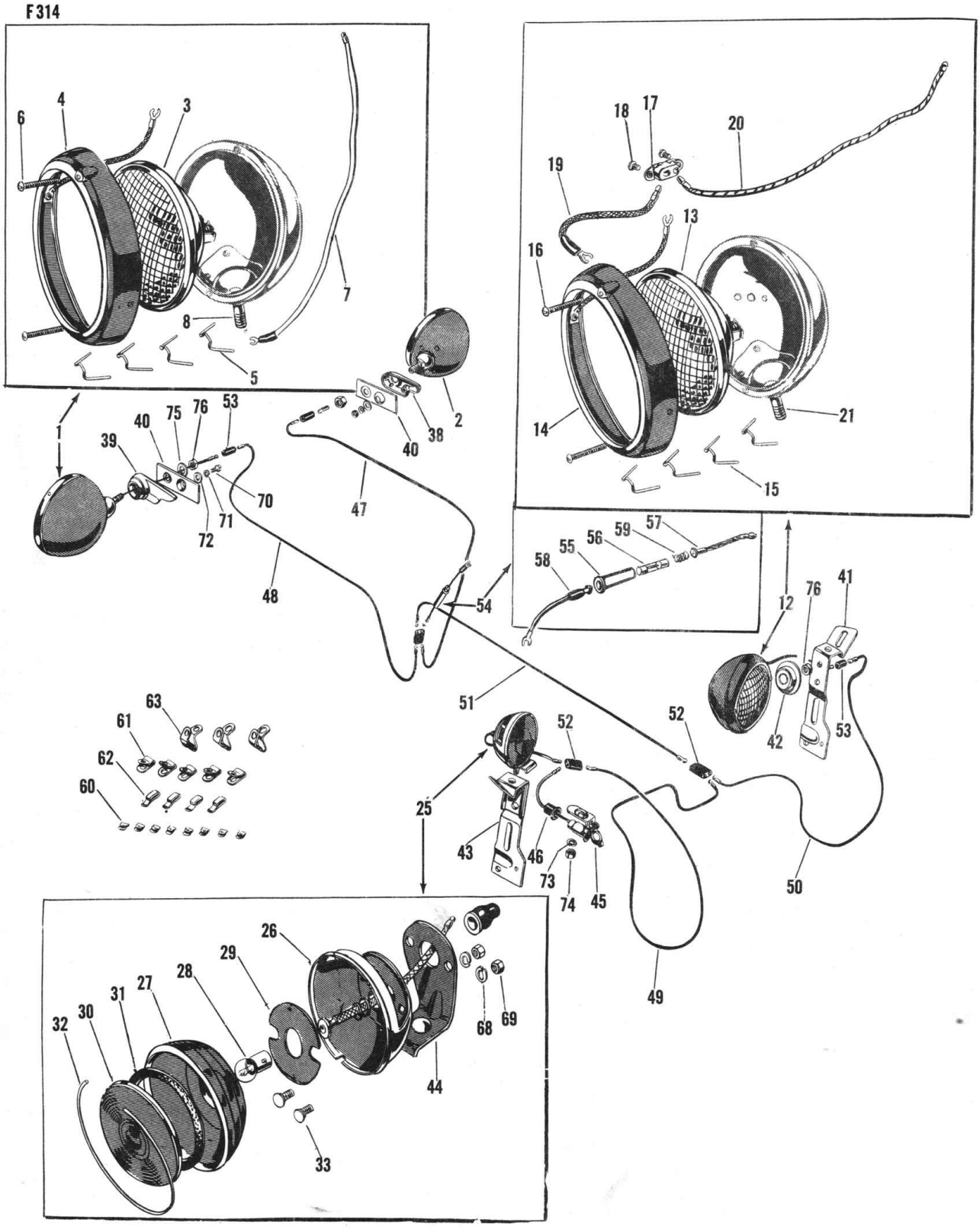
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LIGHTING EQUIPMENT

HOOD MOUNTED

(USED EARLY MODEL TRACTORS)

Ref. No.	Part No.	Description	No. Req.
1	182 924 M91	Lamp Assembly, Head (Left Front)(Order 186 141 M91, See Page 167).	1
2	182 925 M91	Lamp Assembly, Head (Right Front)(Order 186 142 M91, See Page 167)	1
3	1 002 803 M91	Bulb Assembly	1
4 (A)	1 752 311 M91	Moulding Assembly, Lamp (Stamped)	1
5	1 750 642 M1	Spring, Bulb Retaining	4
6	353 979 X1	Screw, Moulding Retaining (5/32 x 1-1/4" NC, Rd. Hd.)	2
7	1 750 650 M91	Wire Assembly, Head Lamp	1
8	1 751 524 M1	Bolt, Lamp Mounting	1
12	182 926 M91	Lamp Assembly, Rear (Worklamp)	1
13	1 002 803 M91	Bulb Assembly	1
14 (A)	1 752 311 M91	Moulding Assembly, Lamp (Stamped)	1
15	1 750 642 M1	Spring, Bulb Retaining	4
16	353 979 X1	Screw, Moulding Retaining (5/32 x 1-1/4" NC, Rd. Hd.)	2
17	1 750 656 M1	Switch, Toggle	1
18	353 975 X1	Screw, Switch to Body (5/32 x 1/4" NC, Rd. Hd.)	2
19	1 750 657 M91	Wire Assembly, Switch to Bulb	1
20	1 750 687 M91	Wire Assembly, Circuit to Switch	1
21	1 751 524 M1	Bolt, Lamp Mounting	1
25	1 751 821 M91	Lamp Assembly, Rear (Tail Lamp)	1
26	1 751 828 M91	Body Assembly, Lamp, w/Wire	1
27	1 751 837 M1	Lens, Tail Lamp	1
28	22 131 X	Bulb, Tail Lamp	1
29	1 751 834 M1	Gasket, Lens	1
30	1 751 833 M1	Reflector, Tail Lamp	1
31	1 751 836 M1	Gasket, Reflector	1
32	1 751 838 M1	Spring, Lens, Retaining	1
33	1 751 835 M1	Bolt, Tail Lamp to Bracket	2
38	1 750 675 M1	Support, Head Lamp, Right (Outer)(Order 510 438 M1)	1
39	1 750 676 M1	Support, Head Lamp, Left (Outer)(Order 510 439 M1)	1
40	1 751 760 M3	Reinforcement, Head Lamp Brackets	2
41	1 750 673 M1	Bracket, Work Lamp	1
42	1 750 677 M1	Support, Work Lamp	1
43	1 750 674 M1	Bracket, Tail Lamp	1
44	1 751 824 M91	Support Assembly, Tail Lamp	1
45	1 751 353 M2	Socket, Auxiliary Light	1
46	1 751 606 M1	Boot, Socket Protection	1
47	183 081 M91	Wire Assembly, Head Lamp (Right)	1
48	183 082 M91	Wire Assembly, Head Lamp (Left)	1
49	1 751 786 M91	Wire Assembly, Tail Lamp	1
50	186 217 M91	Wire Assembly, Work Lamp	1
51	1 750 616 M92	Wire Assembly, Main	1
52	1 750 618 M91	Connector Assembly (4 Way)	3
53	187 531 M91	Connector Assembly (2 Way)	3
54	1 751 756 M91	Wire Assembly, Fuse Holder	1
55	1 750 614 M1	Holder, Fuse	1
56	15 358 A	Fuse (20 Amp.)	1
57	1 751 758 M91	Wire Assembly, Switch to Holder	1
58	1 751 757 M91	Wire Assembly, Holder to Main Wire	1
59	1 750 613 M1	Spring, Fuse	1
60	1 751 771 M1	Clip, Wire	8
61	180 746 M1	Clip, Wire	5
62	1 750 678 M1	Clip, Wire	4
63	1 750 679 M1	Clip, Wire	3
68	353 441 X1	Washer (1/4" Lock)	x
69	355 564 X1	Nut (1/4" NC, Hex.)	x
70	353 514 X1	Bolt (5/16 x 3/8" NF, Hex.)	x
71	353 446 X1	Washer (5/16" Lock)	x
72	353 755 X1	Washer (5/16" Small Flat)	x
73	353 432 X1	Washer (7/16" Lock)	x
74	353 426 X1	Nut (7/16" NF, Hex.)	x
75	353 439 X1	Washer (1/2" Lock)	x
76	353 438 X1	Nut (1/2" NF, Half Hex.)	x

Note: (A) - Some Lamps were equipped with Cast Mouldings; to convert from cast to stamped moulding, please order 830 699 M91.

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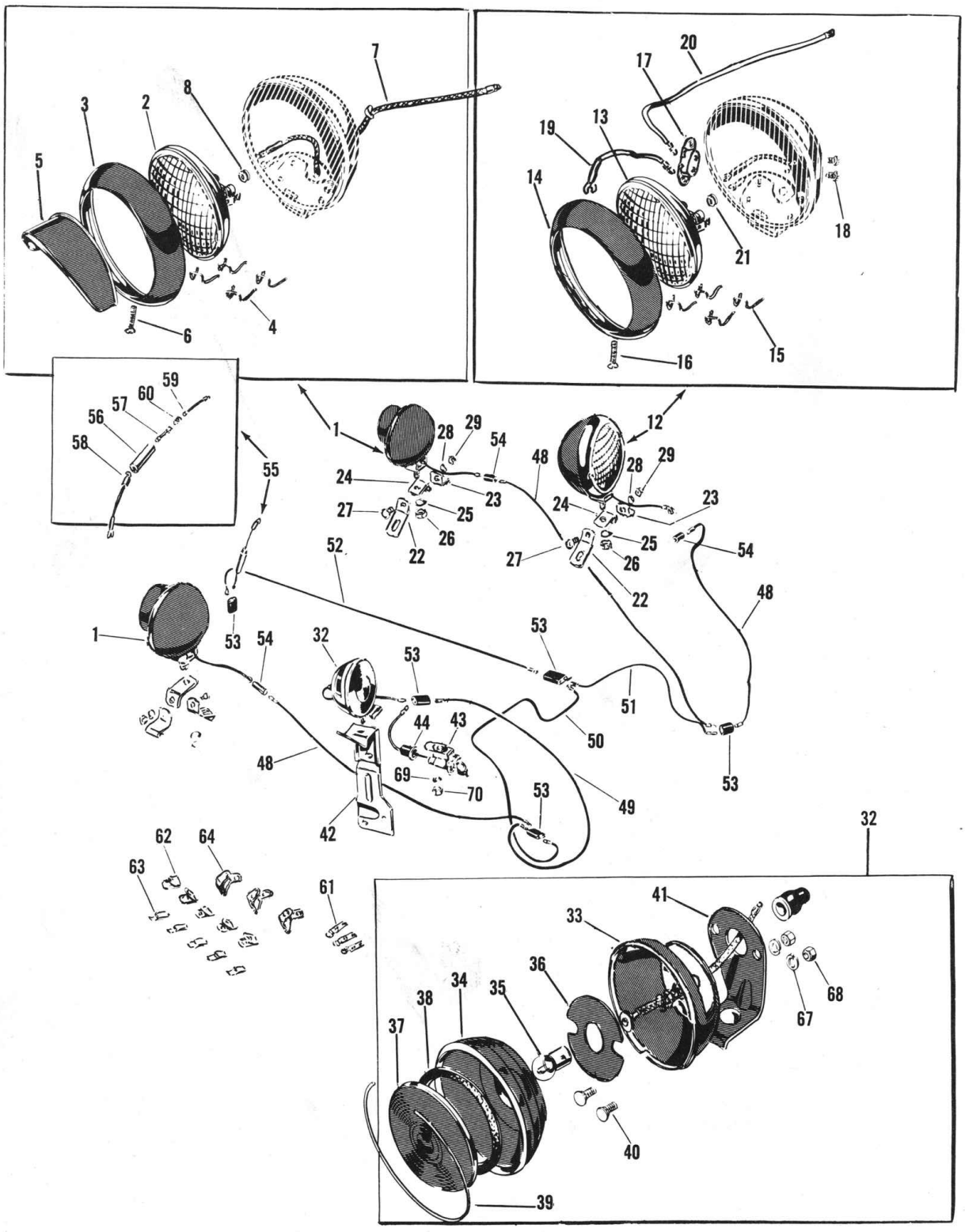
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LIGHTING EQUIPMENT

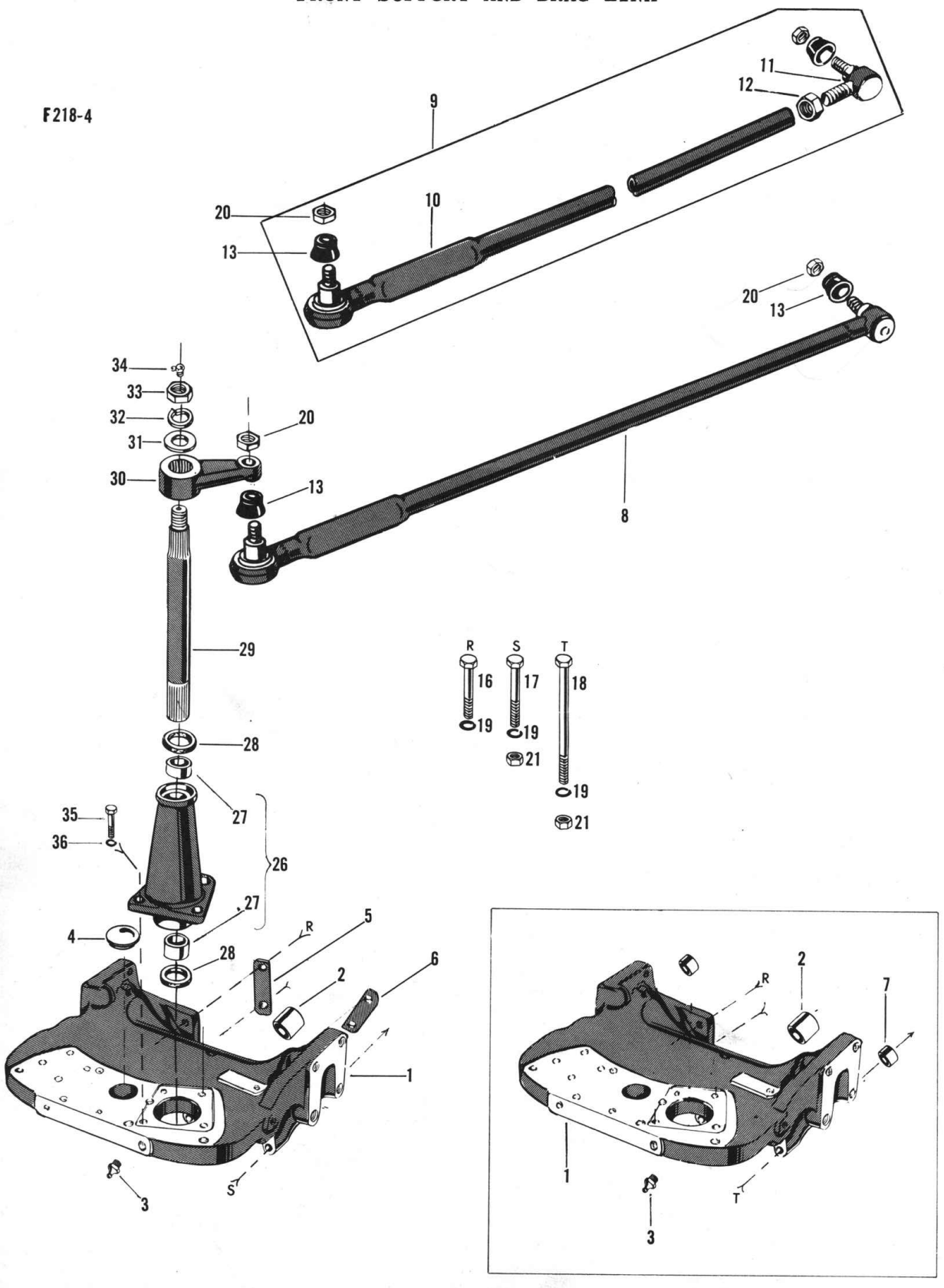
FENDER MOUNTED

(USED EARLY MODEL TRACTORS)

Ref. No.	Part No.	Description	No. Req.
1	182 930 M91	Lamp Assembly, Front (Headlamp)	2
2	1 752 866 M91	Bulb Assembly	1
3	1 752 865 M1	Moulding, Bulb	1
4	1 752 867 M1	Spring, Bulb Retaining	4
5	1 752 868 M1	Shield, Headlamp	1
6	355 883 X1	Screw, Moulding Retaining (#8 x 13/16" NC, Oval Hd.)	1
7	1 752 884 M91	Wire Assembly, Headlamp	1
8	1 752 883 M1	Grommet, Wire	1
12	182 950 M91	Lamp Assembly, Rear (Worklamp)	1
13	1 752 866 M91	Bulb Assembly	1
14	1 017 603 M1	Moulding, Bulb	1
15	1 752 867 M1	Spring, Bulb Retaining	4
16	355 883 X1	Screw, Moulding Retaining (#8 x 13/16" NC, Oval Hd.)	1
17	1 750 656 M1	Switch, Toggle	1
18	353 975 X1	Screw, Toggle Switch (#8 x 1/4" NC, Rd. Hd.)	2
19	1 750 657 M91	Wire Assembly, Switch to Lamp	1
20	1 752 885 M91	Wire Assembly, Switch to Connector	1
21	1 752 883 M1	Grommet, Wire	1
22	1 751 773 M1	Support, Lamp (Inner)	3
23	1 751 774 M1	Support, Lamp (Outer)	3
24	1 751 781 M1	Support, Lamp (Hinge)	3
25	1 751 767 M1	Washer, Lamp Stud (Spring)	3
26	355 896 X1	Nut, Lamp Stud (Self-Locking)	3
27	353 806 X1	Bolt, Supports (3/8 x 3/4" NF, Carr.)	3
28	1 751 768 M1	Washer, Support Bolt (Spring)	3
29	195 586 M1	Nut, Bolt (Self-Locking)	3
32	1 751 821 M91	Lamp Assembly, Rear (Tail Lamp)	1
33	1 751 828 M91	Body Assembly, Lamp, w/Wire	1
34	1 751 837 M1	Lens, Tail Lamp	1
35	22 131 X	Bulb, Tail Lamp	1
36	1 751 834 M1	Gasket, Lens	1
37	1 751 833 M1	Reflector, Tail Lamp	1
38	1 751 836 M1	Gasket, Reflector	1
39	1 751 838 M1	Spring, Lens Retaining	1
40	1 751 835 M1	Bolt, Tail Lamp to Bracket	2
41	1 751 824 M91	Bracket Assembly, Tail Lamp	1
42	1 750 674 M1	Bracket, Tail Lamp Mounting	1
43	1 751 353 M2	Socket, Auxiliary Lamp	1
44	1 751 606 M1	Boot, Socket Protection	1
48	1 751 766 M91	Wire Assembly, Headlamps and Worklamp	3
49	1 751 780 M91	Wire Assembly, Tail Lamp	1
50	1 751 783 M91	Wire Assembly, Tail Lamp Connecting	1
51	1 751 782 M91	Wire Assembly, Worklamp Connecting	1
52	1 750 616 M92	Wire Assembly, Main	1
53	1 750 618 M91	Connector Assembly (4 Way)	5
54	187 531 M91	Connector Assembly (2 Way)	3
55	1 751 756 M91	Wire Assembly, Fuse Holder	1
56	1 750 614 M1	Holder, Fuse	1
57	15 358 A	Fuse (20 Amp.)	1
58	1 751 758 M91	Wire Assembly, Switch to Holder	1
59	1 751 757 M91	Wire Assembly, Holder to Main Wire	1
60	1 750 613 M1	Spring, Fuse Tension	1
61	182 952 M1	Clip, Wire	3
62	180 746 M1	Clip, Wire	8
63	1 750 678 M1	Clip, Wire	6
64	1 750 679 M1	Clip, Wire	3
67	353 441 X1	Washer (1/4" Lock)	x
68	355 564 X1	Nut (1/4" NC, Hex.)	x
69	353 432 X1	Washer (7/16" Lock)	x
70	353 426 X1	Nut (7/16" NF, Hex.)	x

FRONT SUPPORT AND DRAG LINK

F218-4



FRONT SUPPORT AND DRAG LINK

USED W/MANUAL OR POWER STEERING MODELS

Ref. No.	Part No.	Description	No. Req.
1	182 575 M96	Support Assembly, Front Axle	1
2	196 050 M2	Bushing (1-7/8 x 2-1/16 x 1")	1
3	13 222 X	Grease Fitting (1/8" P.T. Str.)	1
4	194 057 M1	Cap, Dust	1
5	182 377 M1	Spacer, Support, Right Hand (Gas)	1
6	182 378 M1	Spacer, Support, Left Hand (Gas)	1
7	186 648 M1	Spacer, Support (Diesel)	2
8 (A)	193 632 M1	Drag Link (One Piece) (52-1/2" Long)	1
9 (B)	184 164 M91	Drag Link Assembly (Order Components)	1
10	184 158 M91	Tube Assembly, Drag Link	1
11	182 534 M91	End Assembly, Adjustable	1
12	196 059 M1	Nut, Lock, Adjustable End	1
13	196 099 M1	Seal, Dust, Drag Link Ends	2
16	353 622 X1	Bolt (5/8 x 2-7/8" NF, Hex.)	x
17	353 634 X1	Bolt (5/8 x 4-3/8" NF, Hex.) (Gas)	x
18	354 692 X1	Bolt (5/8 x 5-5/8" NC, Hex.) (Diesel)	x
19	353 433 X1	Washer (5/8" Lock)	x
20	353 429 X1	Nut (5/8" NF, Half Hex.)	x
21	353 427 X1	Nut (5/8" NF, Hex.)	x

PEDESTAL

USED W/MANUAL STEERING

26	182 576 M92	Pedestal Assembly	1
27	196 057 M1	Bushing (1-1/2 x 1-41/64 x 1-1/4")	2
28	196 066 M1	Seal, Dust (1-15/32 x 2 x 3/8")	2
29	182 503 M2	Shaft, Pedestal	1
30	182 504 M1	Arm, Upper	1
31	353 777 X1	Washer (1" Flat)	1
32	353 443 X1	Washer (1" Lock)	1
33	353 458 X1	Nut (1" NF, Half Hex.)	1
34	13 533 X	Grease Fitting (1/8" P.T., 90°)	1
35	353 724 X1	Bolt (1/2 x 1-1/2" NC, Hex.)	4
36	353 439 X1	Washer (1/2" Lock)	4

Notes: (A) - Used Tractor Serial No. 703123 and up.
(B) - Used prior to Tractor Serial No. 703123.

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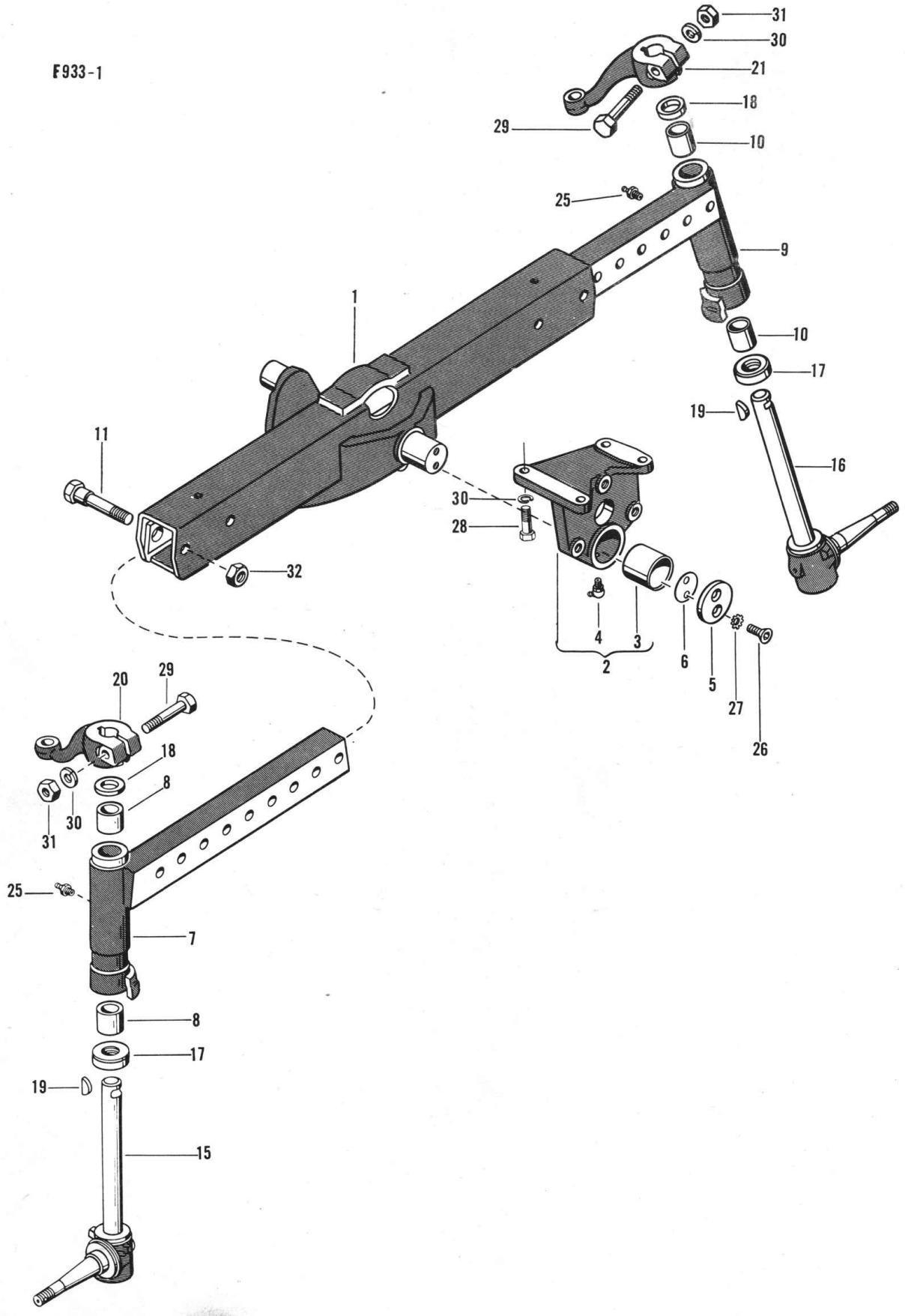
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FRONT AXLE

LO-CLEARANCE MODELS

(USED TRACTOR SERIAL NO. 692932 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	191 451 M91	Axle Assembly, Front (w/Pad)	1
2	506 913 M91	Support Assembly, Front Axle Pivot	1
3	196 049 M1	Bushing (2 x 2-1/8 x 1-7/8")	1
4	13 223 X	Grease Fitting (1/8" P.T., 67-1/2°)	1
5	186 058 M1	Plate, Thrust, Front Axle	1
6	182 539 M1	Shim, Thrust Plate (.002")	x
6	182 540 M1	Shim, Thrust Plate (.005")	x
6	182 541 M1	Shim, Thrust Plate (.010")	x
7	192 177 M91	Extension Assembly, Axle, Right Hand (w/2-1/8", 90° Stop)	1
8	196 060 M1	Bushing, Spindle (1-1/4 x 1-7/16 x 1-1/2")	2
9	192 178 M91	Extension Assembly, Axle Left Hand (w/2-1/8", 90° Stop)	1
10	196 060 M1	Bushing, Spindle (1-1/4 x 1-7/16 x 1-1/2")	2
11	182 501 M1	Bolt, Axle Locking	4
15	182 559 M92	Spindle Assembly, Right Hand	1
16	182 560 M92	Spindle Assembly, Left Hand	1
17	18 560 X	Bearing, Thrust, Spindle	2
18	180 355 M2	Seal, Dust, Spindle (1-7/32 x 1-25/32 x 1/4" Felt)	2
19	350 355 X1	Key, Steering Arm to Spindle (5/16 x 1-1/4" Woodruff)	2
20	192 097 M1	Arm, Steering, Right Hand (6-5/8" Between Hole Centers) (for 5/8" Dia. Bolt)	1
21	192 098 M1	Arm, Steering, Left Hand (6-5/8" Between Hole Centers) (for 5/8" Dia. Bolt)	1

HI-CLEARANCE MODELS

Ref. No.	Part No.	Description	No. Req.
1	191 451 M91	Axle Assembly, Front (w/Pad)	1
2	506 913 M91	Support Assembly, Front Axle Pivot	1
3	196 049 M1	Bushing (2 x 2-1/8 x 1-7/8")	1
4	13 223 X	Grease Fitting (1/8" P.T., 67-1/2°)	1
5	186 058 M1	Plate, Thrust, Front Axle	1
6	182 539 M1	Shim, Thrust Plate (.002")	x
6	182 540 M1	Shim, Thrust Plate (.005")	x
6	182 541 M1	Shim, Thrust Plate (.010")	x
7	192 175 M91	Extension Assembly, Axle, Right Hand (w/2-1/8", 90° Stop)	1
8	196 060 M1	Bushing, Spindle (1-1/4 x 1-7/16 x 1/2")	2
9	192 176 M91	Extension Assembly, Axle, Left Hand (w/2-1/8", 90° Stop)	1
10	196 060 M1	Bushing, Spindle (1-1/4 x 1-7/16 x 1/2")	2
11	182 501 M1	Bolt, Axle Locking	4
15	182 557 M92	Spindle Assembly, Right Hand	1
16	182 558 M92	Spindle Assembly, Left Hand	1
17	18 560 X	Bearing, Thrust, Spindle	2
18	180 355 M2	Seal, Dust, Spindle (1-7/32 x 1-25/32 x 1/4" Felt)	2
19	350 355 X1	Key, Steering Arm to Spindle (5/16 x 1-1/4" Woodruff)	2
20	192 097 M1	Arm, Steering, Right Hand (6-5/8" Between Hole Centers) (for 5/8" Dia. Bolt)	1
21	192 098 M1	Arm, Steering, Left Hand (6-5/8" Between Hole Centers) (for 5/8" Dial Bolt)	1
25	13 811 X	Grease Fitting (1/4" - 28 Str.)	x
26	358 605 X1	Screw (7/16 x 1-1/4" NF, Sckt. Hd.)	x
27	360 662 X1	Washer (7/16" Ext. Skpf., Special)	x
28	831 649 M1	Bolt (5/8 x 1-7/8" NC, Hex., Special)	x
29	353 625 X1	Bolt (5/8 x 3-1/8" NF, Hex.)	x
30	353 433 X1	Washer (5/8" Lock)	x
31	353 427 X1	Nut (5/8" NF, Hex.)	x
32	353 435 X1	Nut (3/4" NF, Hex.)	x

FRONT AXLE

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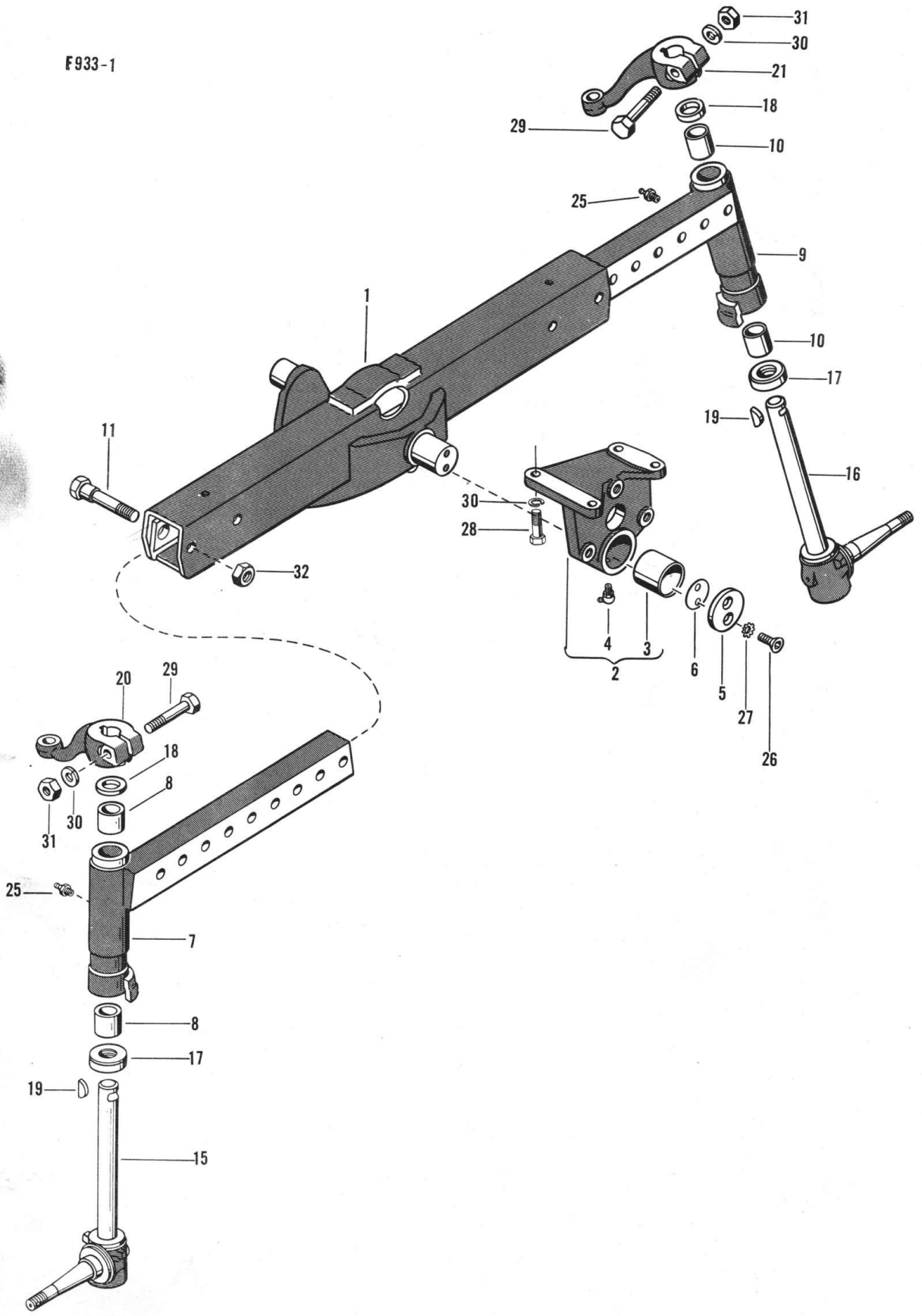

FRONT AXLE

LO-CLEARANCE MODELS

(USED TRACTOR SERIAL NOS. (GAS) 671680 AND (DIESEL) 667918 TO 692932)

Ref. No.	Part No.	Description	No. Req.
1	191 451 M91	Axle Assembly, Front (w/Pad)	1
2	506 913 M91	Support Assembly, Front Axle Pivot	1
3	196 049 M1	Bushing (2 x 2-1/8 x 1-7/8")	1
4	13 223 X	Grease Fitting (1/8" P.T., 67-1/2°)	1
5	186 058 M1	Plate, Thrust, Front Axle	1
6	182 539 M1	Shim, Thrust Plate (.002")	x
6	182 540 M1	Shim, Thrust Plate (.005")	x
6	182 541 M1	Shim, Thrust Plate (.010")	x
7	186 070 M91	Extension Assembly, Axle, Right Hand (w/1-1/4", 105° Stop)	1
8	196 060 M1	Bushing, Spindle (1-1/4 x 1-7/16 x 1-1/2")	2
9	186 071 M91	Extension Assembly, Axle, Left Hand (w/1-1/4", 105° Stop)	1
10	196 060 M1	Bushing, Spindle (1-1/4 x 1-7/16 x 1-1/2")	2
11	182 501 M1	Bolt, Axle Locking	4
15	182 559 M92	Spindle Assembly, Right Hand	1
16	182 560 M92	Spindle Assembly, Left Hand	1
17	18 560 X	Bearing, Thrust Spindle	2
18	180 355 M2	Seal, Dust, Spindle (1-7/32 x 1-25/32 x 1/4" Felt)	2
19	350 355 X1	Key, Steering Arm to Spindle (5/16 x 1-1/4" Woodruff)	2
20	186 083 M2	Arm, Steering, Right Hand (5-5/8" Between Hole Centers) (Takes 5/8" Dia. Bolt)	1
21	186 081 M2	Arm, Steering, Left Hand (5-5/8" Between Hole Centers) (Takes 5/8" Dia. Bolt)	1

HI-CLEARANCE MODELS

1	191 451 M91	Axle Assembly, Front (w/Pad)	1
2	506 913 M91	Support Assembly, Front Axle Pivot	1
3	196 049 M1	Bushing (2 x 2-1/8 x 1-7/8")	1
4	13 223 X	Grease Fitting (1/8" P.T., 67-1/2°)	1
5	186 058 M1	Plate, Thrust, Front Axle	1
6	182 539 M1	Shim, Thrust Plate (.002")	x
6	182 540 M1	Shim, Thrust Plate (.005")	x
6	182 541 M1	Shim, Thrust Plate (.010")	x
7	186 205 M91	Extension Assembly, Axle, Right Hand (w/1-1/4", 105° Stop)	1
8	196 060 M1	Bushing, Spindle (1-1/4 x 1-7/16 x 1/2")	2
9	186 206 M91	Extension Assembly, Axle, Left Hand (w/1-1/4", 105° Stop)	1
10	196 060 M1	Bushing, Spindle (1-1/4 x 1-7/16 x 1/2")	2
11	182 501 M1	Bolt, Axle Locking	4
15	182 557 M92	Spindle Assembly, Right Hand	1
16	182 558 M92	Spindle Assembly, Left Hand	1
17	18 560 X	Bearing, Thrust Spindle	2
18	180 355 M2	Seal, Dust, Spindle (1-7/32 x 1-25/32 x 1/4" Felt)	2
19	350 355 X1	Key, Steering Arm to Spindle (5/16 x 1-1/4" Woodruff)	2
20	186 083 M2	Arm, Steering, Right Hand (5-5/8" Between Hole Centers) (Takes 5/8" Dia. Bolt)	1
21	186 081 M2	Arm, Steering, Left Hand (5-5/8" Between Hole Centers) (Takes 5/8" Dia. Bolt)	1
25	13 811 X	Grease Fitting (1/4" - 28 Str.)	x
26	358 605 X1	Screw (7/16 x 1-1/4" NF, Sckt. Hd.)	x
27	360 662 X1	Washer (7/16" Ext. Skpf., Special)	x
28	831 649 M1	Bolt (5/8 x 1-7/8" NC, Hex., Special)	x
29	353 625 X1	Bolt (5/8 x 3-1/4" NF, Hex.)	x
30	353 433 X1	Washer (5/8" Lock)	x
31	353 427 X1	Nut (5/8" NF, Hex.)	x
32	353 435 X1	Nut (3/4" NF, Hex.)	x

FRONT AXLES

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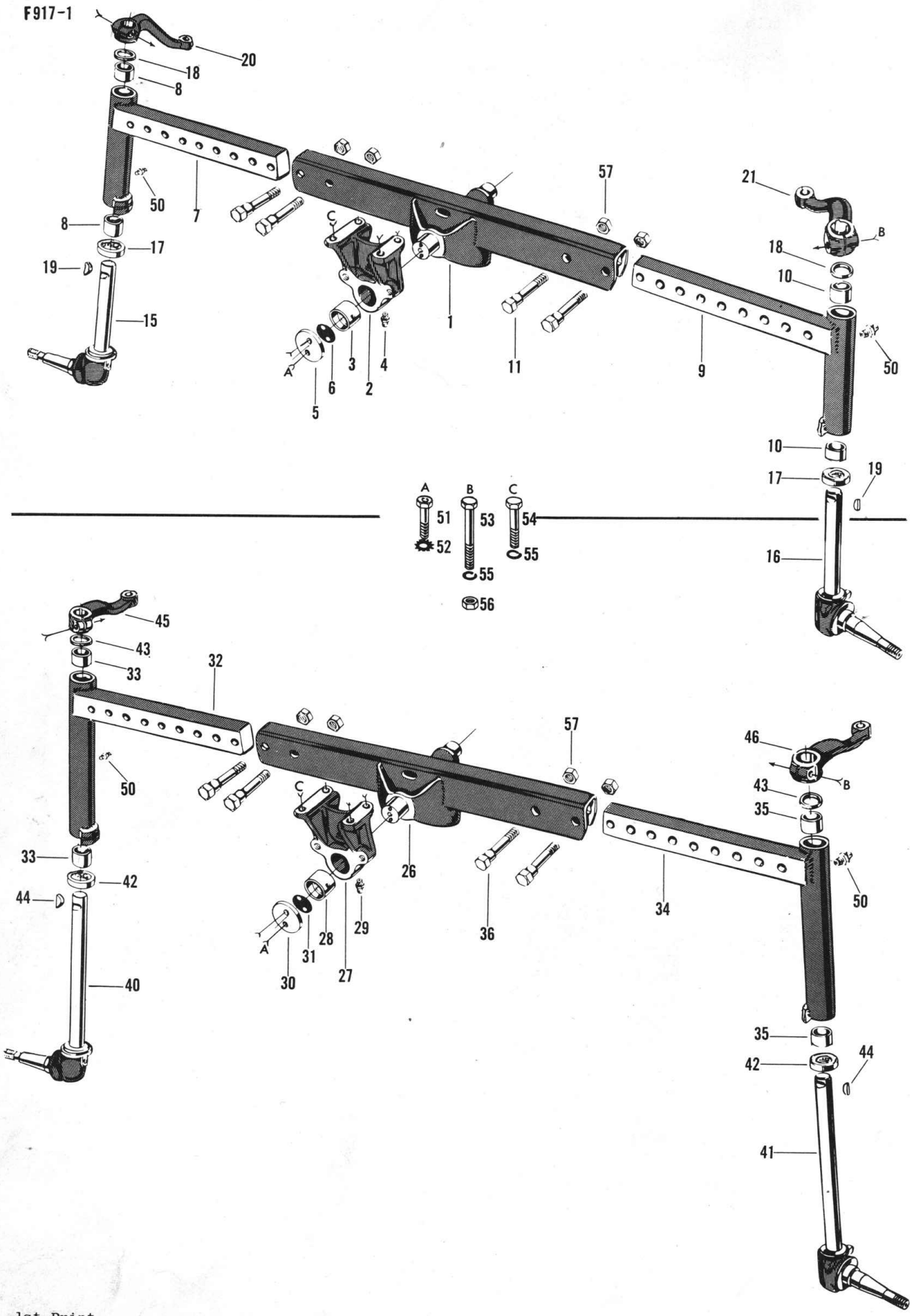

FRONT AXLE

LO-CLEARANCE MODELS

(USED PRIOR TO TRACTOR SERIAL NOS. (GAS) 671680 AND (DIESEL) 667918)

Ref. No.	Part No.	Description	No. Req.
1	182 531 M92	Axle Assembly, Front (Less Pad) (Order 827 856 M92)	1
2	506 913 M91	Support Assembly, Front Axle Pivot	1
3	196 049 M1	Bushing (2 x 2-1/8 x 1-7/8")	1
4	13 223 X	Grease Fitting (1/8" P.T., 67-1/2°)	1
5	182 538 M1	Plate, Thrust, Front Axle	1
6	182 539 M1	Shim, Thrust Plate (.002")	x
6	182 540 M1	Shim, Thrust Plate (.005")	x
6	182 541 M1	Shim, Thrust Plate (.010")	x
7	182 543 M91	Extension Assembly, Axle, Right Hand (w/1-1/4", 97° Stop)	1
8	196 060 M1	Bushing, Spindle (1-1/4 x 1-7/16 x 1-1/2")	2
9	182 542 M91	Extension Assembly, Axle, Left Hand (w/1-1/4", 97° Stop)	1
10	196 060 M1	Bushing, Spindle (1-1/4 x 1-7/16 x 1-1/2")	2
11	182 501 M1	Bolt, Axle Locking	4
15	182 559 M92	Spindle Assembly, Right Hand	1
16	182 560 M92	Spindle Assembly, Left Hand	1
17	18 560 X	Bearing, Thrust, Spindle	2
18	180 355 M2	Seal, Dust, Spindle (1-7/32 x 1-25/32 x 1/4" Felt)	2
19	350 355 X1	Key, Steering Arm to Spindle (5/16 x 1-1/4" Woodruff)	2
20	182 528 M1	Arm, Steering, Right Hand (7-1/8" Between Hole Centers)(Takes 7/16" Dia. Bolt)	1
21	182 529 M1	Arm, Steering, Left Hand (7-1/8" Between Hole Centers)(Takes 7/16" Dia. Bolt)	1

HI-CLEARANCE MODELS

26	182 531 M92	Axle Assembly, Front (Less Pad) (Order 827 856 M92)	1
27	506 913 M91	Support Assembly, Front Axle Pivot	1
28	196 049 M1	Bushing (2 x 2-1/8 x 1-7/8")	1
29	13 223 X	Grease Fitting (1/8" P.T., 67-1/2°)	1
30	182 538 M1	Plate, Thrust, Front Axle	1
31	182 539 M1	Shim, Thrust Plate (.002")	x
31	182 540 M1	Shim, Thrust Plate (.005")	x
31	182 541 M1	Shim, Thrust Plate (.010")	x
32	182 566 M91	Extension Assembly, Axle, Right Hand (w/1-1/4", 97° Stop)	1
33	196 060 M1	Bushing, Spindle (1-1/4 x 1-7/16 x 1-1/2")	2
34	182 567 M91	Extension Assembly, Axle, Left Hand (w/1-1/4", 97° Stop)	1
35	196 060 M1	Bushing, Spindle (1-1/4 x 1-7/16 x 1-1/2")	2
36	182 501 M1	Bolt, Axle Locking	4
40	182 557 M92	Spindle Assembly, Right Hand	1
41	182 558 M92	Spindle Assembly, Left Hand	1
42	18 560 X	Bearing, Thrust, Spindle	2
43	180 355 M2	Seal, Dust, Spindle (1-7/32 x 1-25/32 x 1/4" Felt)	2
44	350 355 X1	Key, Steering Arm to Spindle (5/16 x 1-1/4" Woodruff)	2
45	182 528 M1	Arm, Steering, Right Hand (7-1/8" Between Hole Centers) (Takes 7/16" Dia. Bolt)	1
46	182 529 M1	Arm, Steering, Left Hand (7-1/8" Between Hole Centers) (Takes 7/16" Dia. Bolt)	1
50	13 811 X	Grease Fitting (1/4" - 28 Str.)	x
51	353 561 X1	Bolt (7/16 x 1-1/4" NF, Hex.)	x
52	353 572 X1	Bolt (7/16 x 2-5/8" NF, Hex.)	x
53	353 432 X1	Washer (7/16" Lock)	x
54	353 426 X1	Nut (7/16" NF, Hex.)	x
55	831 649 M1	Bolt (5/8 x 1-7/8" NC, Hex., Special)	x
56	353 433 X1	Washer (5/8" Lock)	x
57	353 435 X1	Nut (5/8" NF, Hex.)	x

TIE RODS

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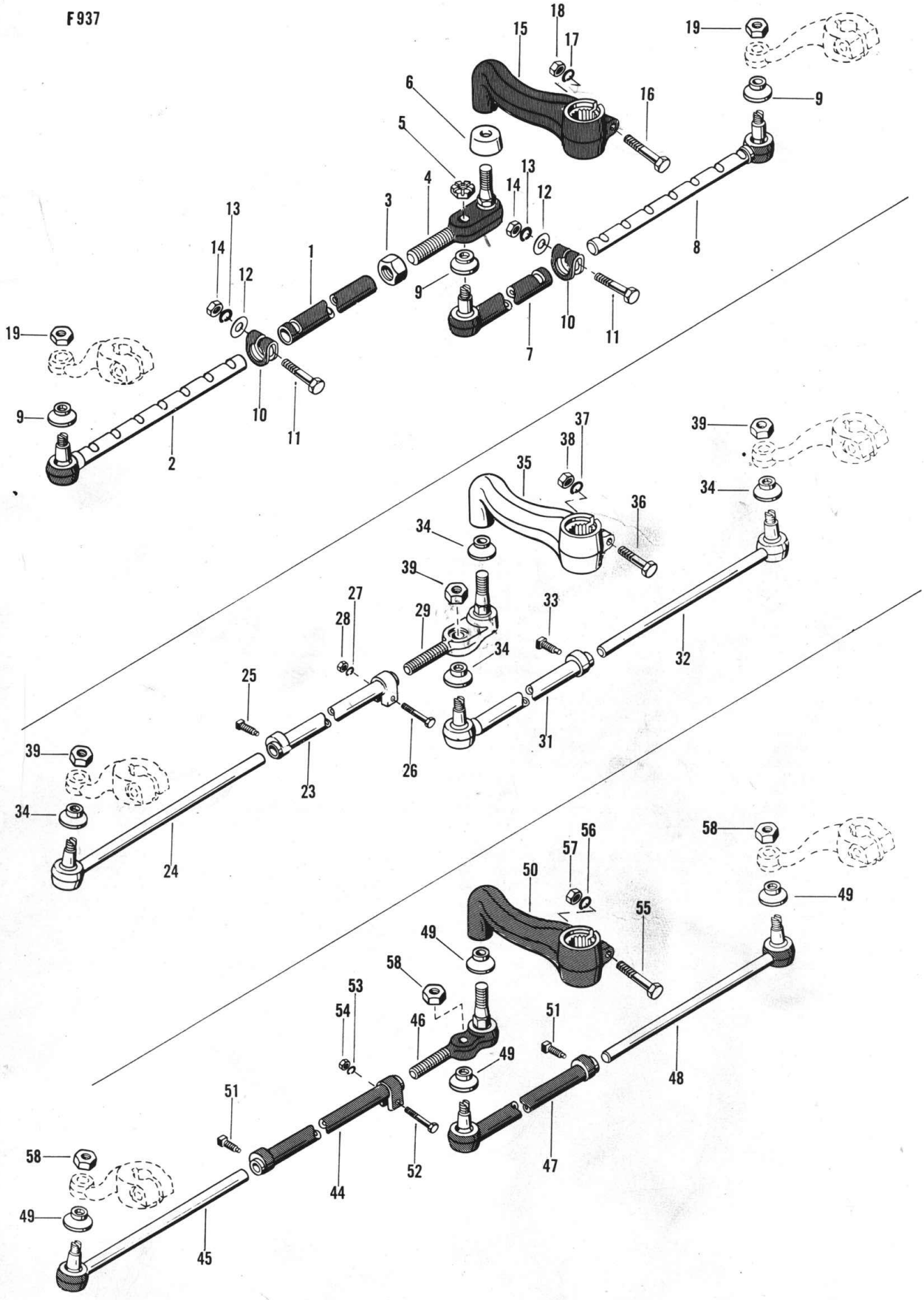


TIE RODS

HI AND LO-CLEARANCE MODELS

(USED TRACTOR SERIAL NO. 692932 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	192 862 M1	Tube, Right	1
2	192 865 M1	Rod Assembly, Right (15-1/2" Long)	1
3	192 928 M1	Nut, Lock, Tie Rod	1
4	192 863 M1	End Assembly, Right	1
5	356 961 X1	Nut, Lock, Tie Rod End(5/8" NF, Hex., Special)	1
6	193 005 M1	Seal, Tie Rod End	1
7	192 864 M1	Tube Assembly, w/End, Left	1
8	192 866 M1	Rod Assembly, Left (14-9/16" Long)	1
9	196 099 M1	Seal, Tie Rod Ends	3
10	192 861 M1	Clamp, Tie Rod	2
11	353 887 X1	Bolt, Clamp (1/2 x 2-1/2" NF, Hex.)	2
12	353 758 X1	Washer, Clamp Bolt (1/2" Small Flat)	2
13	353 439 X1	Washer, Clamp Bolt (1/2" Lock)	2
14	353 437 X1	Nut, Clamp Bolt (1/2" NF, Hex.)	2
15	186 067 M3	Arm, Steering (Manual)	1
15		Arm, Steering (Power) (See Page 211)	1
16 (A)	353 572 X1	Bolt, Steering Arm (7/16 x 2-5/8" NF, Hex.)	1
17 (A)	353 432 X1	Washer (7/16" Lock)	1
18 (A)	353 426 X1	Nut (7/16" NF, Hex.)	1
19	353 429 X1	Nut (5/8" NF, Half Hex.)	2

(USED TRACTOR SERIAL NOS. (GAS) 671 680 AND (DIESEL) 667 918 TO 692 932)

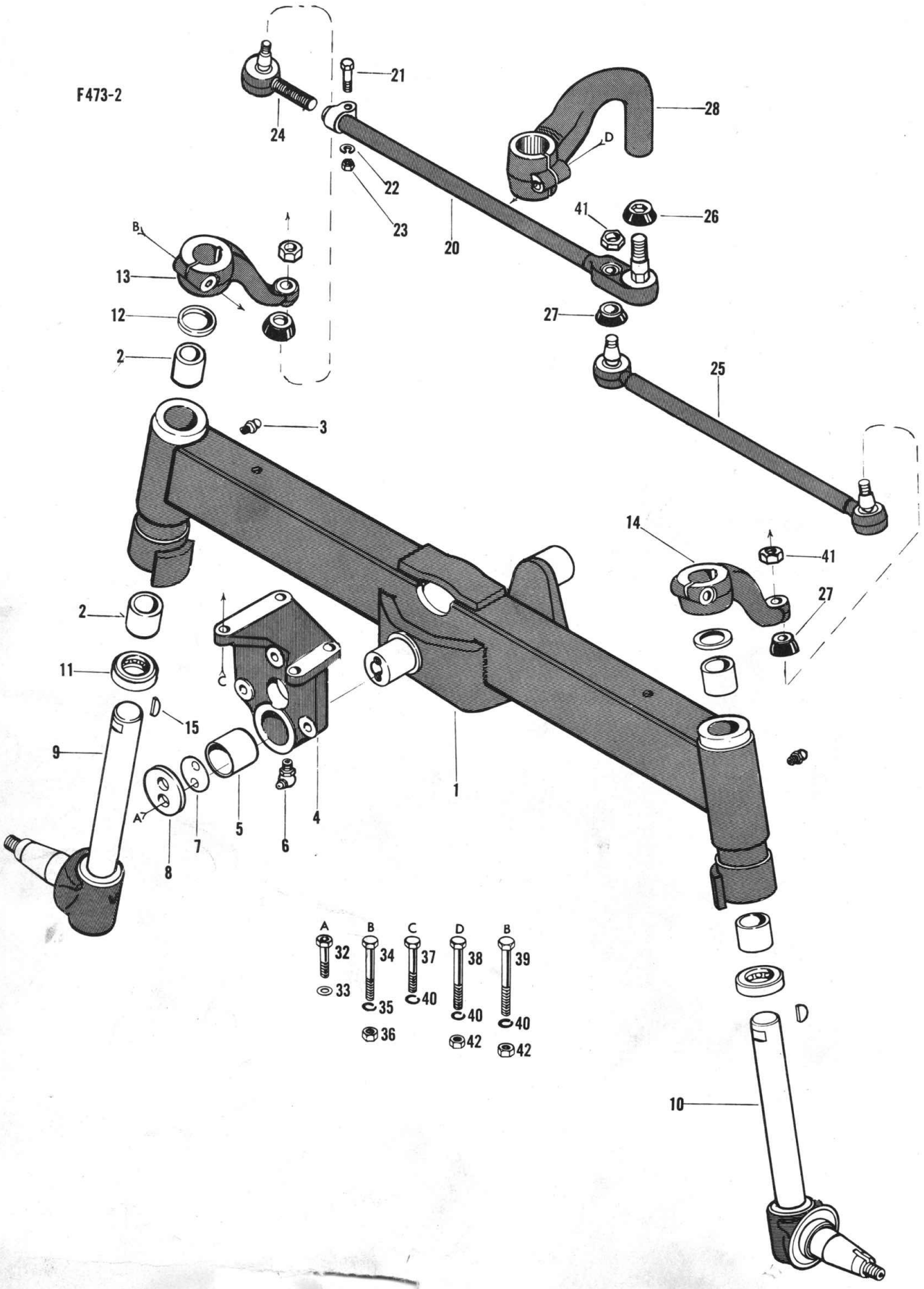
	186 145 M92	Tie Rod Assembly, Right	1
23	186 065 M91	Tube Assembly (19-1/8" Long)	1
24	186 066 M91	Rod Assembly (16-5/32" Long)	1
25	196 058 M1	Screw, Set (3/8" NC, Dog Pt., Sq. Hd.)	1
26	354 263 X1	Bolt, Clamp (3/8 x 1-5/8" NC, Hex.)	1
27	353 434 X1	Washer, Clamp Bolt (3/8" Lock)	1
28	354 123 X1	Nut, Clamp Bolt (3/8" NC, Hex.)	1
29	186 077 M92	End Assembly, Right (6-1/2" Long)	1
	186 146 M91	Tie Rod Assembly, Left	1
31	186 061 M91	Tube Assembly (14-7/8" Long)	1
32	186 063 M91	Rod Assembly (14-7/8" Long)	1
33	196 058 M1	Screw, Set (3/8" NC, Dog Pt., Sq. Hd.)	1
34	196 099 M1	Seal, Dust, Tie Rod Ends	4
35	186 067 M3	Arm, Steering (8-1/4" Between Hole Centers) (Manual)	1
35		Arm, Steering (Power) (See Page 211)	1
36 (A)	353 572 X1	Bolt, Steering Arm (7/16 x 2-5/8" NF, Hex.)	1
37 (A)	353 432 X1	Washer (7/16" Lock)	1
38 (A)	353 426 X1	Nut (7/16" NF, Hex.)	1
39	353 429 X1	Nut (5/8" NF, Half Hex.)	3

(USED PRIOR TO TRACTOR SERIAL NOS. (GAS) 671680 AND (DIESEL) 667918)

14	182 517 M91	Tube Assembly, Right (18-3/8" Long)	1
45 (B)	182 515 M91	Rod Assembly, Right (14-15/16" Long) (See Note)	1
46	182 519 M91	End Assembly, Right (6" Long)	1
47	182 510 M91	Tube Assembly, Left (14-25/32" Long)	1
48 (B)	182 507 M91	Rod Assembly, Left (14-15/16" Long) (See Note)	1
49	196 099 M1	Seal, Dust, Tie Rod Ends	4
50	182 530 M1	Arm, Steering (8-1/2" Between Hole Centers) (Manual)	1
50		Arm, Steering (Power) (See Page 211)	1
51	196 058 M1	Screw, Set (3/8" NC, Dog Pt., Sq. Hd.)	2
52	354 263 X1	Bolt, Clamp (3/8 x 1-5/8" NC,Hex.)	1
53	353 434 X1	Washer (3/8" Lock)	1
54	354 123 X1	Nut (3/8" NC, Hex.)	1
55 (A)	353 572 X1	Bolt, Arm (7/16 x 2-5/8" NF, Hex.)	1
56 (A)	353 432 X1	Washer (7/16" Lock)	1
57 (A)	353 426 X1	Nut (7/16" NF, Hex.)	1
58	353 429 X1	Nut (5/8" NF, Half Hex.)	1

Notes: (A) - Used w/Manual Steering, See Page 211 for Power Steering.
(B) - For Repairs order (1) each of 186 235 M91, Right Rod and 186 236 M91, Left Rod.

FRONT AXLE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FRONT AXLE

UTILITY

Ref. No.	Part No.	Description	No. Req.
1	186 159 M92	Axle Assembly, Front	1
2	183 086 M1	Bushing, Spindle (1-1/2 x 1-11/16 x 1-1/2")	4
3	13 811 X	Grease Fitting (1/4" - 28 Str.)	2
4	506 913 M91	Support Assembly, Front Axle Pivot	1
5	196 049 M1	Bushing, Axle Pivot Pin (2 x 2-1/8 x 1-7/8")	1
6	13 223 X	Grease Fitting (1/8" P.T., 67-1/2°)	1
7	182 539 M1	Shim, Thrust Plate (.002")	x
7	182 540 M1	Shim, Thrust Plate (.005")	x
7	182 541 M1	Shim, Thrust Plate (.010")	x
8	186 058 M1	Plate, Thrust, Front Axle	1
9	186 164 M94	Spindle Assembly, Right Hand	1
10	186 165 M93	Spindle Assembly, Left Hand	1
11	196 167 M1	Bearing, Thrust, Spindle	2
12	183 021 M2	Seal, Dust, Spindle (1-15/32 x 2-5/32 x 1/4" Felt)	2
13 (A)	186 358 M2	Arm, Spindle, Right Hand (Takes 5/8" Bolt)	1
13 (B)	186 358 M1	Arm, Spindle, Right Hand (Takes 1/2" Bolt)	1
14 (A)	186 359 M2	Arm, Spindle, Left Hand (Takes 5/8" Bolt)	1
14 (B)	186 359 M1	Arm, Spindle, Left Hand (Takes 1/2" Bolt)	1
15	350 355 X1	Key, Arm to Spindle (5/16 x 1-1/4" Woodruff)	2
20 (A)	189 225 M92	Tie Rod Assembly, Right Hand	1
21	353 567 X1	Bolt, Clamp (7/16 x 2" NF, Hex.)	1
22	353 432 X1	Washer (7/16" Lock)	1
23	353 426 X1	Nut (7/16" NF, Hex.)	1
20 (B)	186 160 M91	Tie Rod Assembly, Right Hand (Order 189 225 M92)	1
21	354 263 X1	Bolt, Clamp (3/8 x 1-5/8" NC, Hex.)	1
22	353 434 X1	Washer (7/16" Lock)	1
23	354 123 X1	Nut (7/16" NC, Hex.)	1
24 (A)	189 228 M91	End Assembly, Right Hand Tie Rod	1
24 (B)	183 388 M91	End Assembly, Right Hand Tie Rod	1
25	192 251 M91	Tie Rod Assembly, Left Hand	1
26	196 099 M1	Seal, Dust, Tie Rod	1
27	193 005 M1	Seal, Dust, Tie Rod	3
28	188 550 M2	Arm, Steering	1
32	358 605 X1	Screw (7/16 x 1-1/8" NF, Sckt. Hd.)	x
33	360 662 X1	Washer (7/16" Ctsk. Special)	x
34 (B)	353 890 X1	Bolt (1/2 x 3" NF, Hex.)	x
35 (B)	353 439 X1	Washer (1/2" Lock)	x
36 (B)	353 437 X1	Nut (1/2" NF, Hex.)	x
37	831 649 M1	Bolt (5/8 x 1-23/32" NC, Hex., Special)	x
38	353 622 X1	Bolt (5/8 x 2-7/8" NF, Hex.)	x
39 (A)	353 625 X1	Bolt (5/8 x 3-1/4" NF, Hex.)	x
40	353 433 X1	Washer (5/8" Lock)	x
41	356 961 X1	Nut (5/8" NF, Half Hex.)	x
42	353 427 X1	Nut (5/8" NF, Hex.)	x

Notes: (A) - Used Tractor Serial No. 685256 and up.
(B) - Used prior to Tractor Serial No. 685256.

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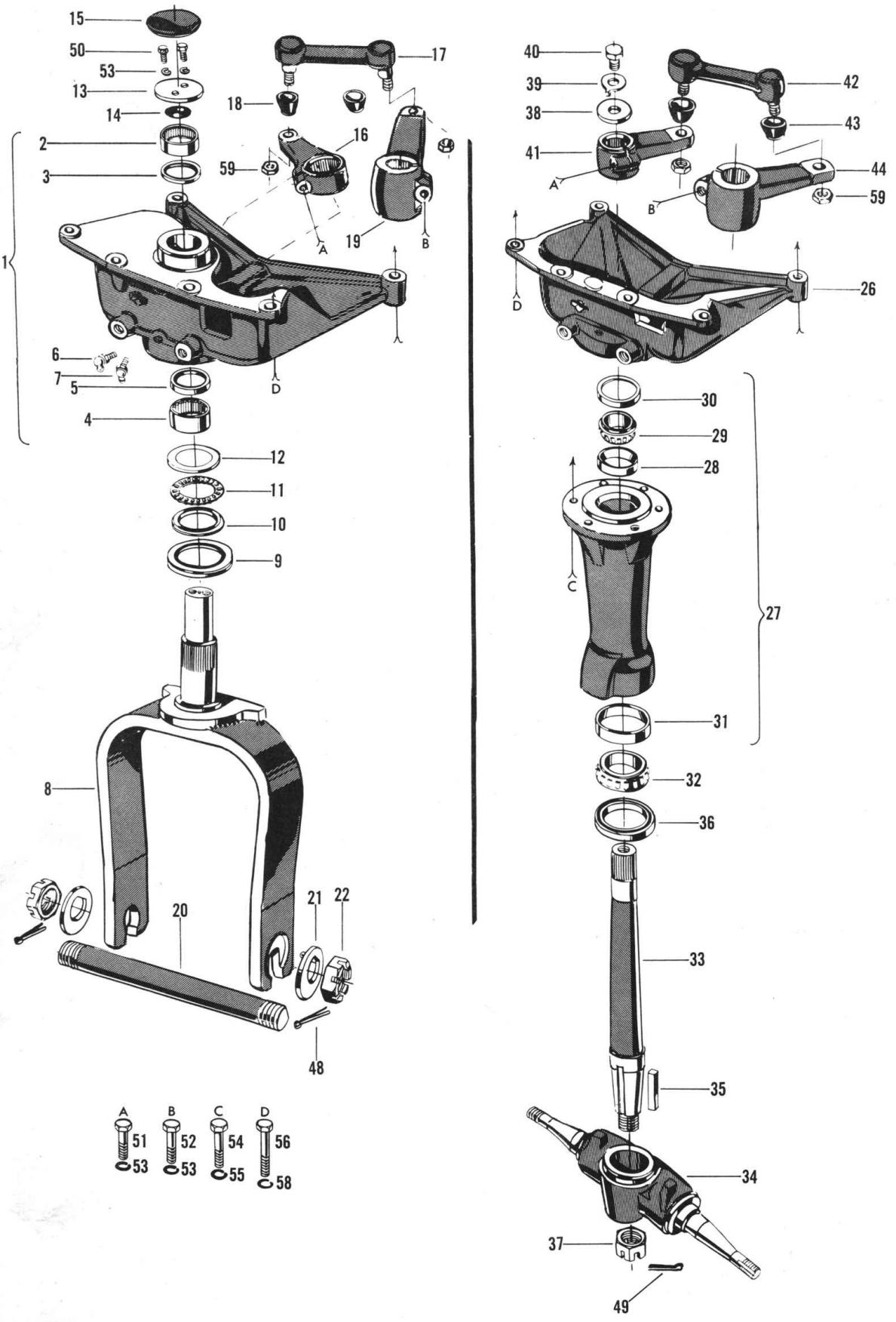
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FRONT AXLE

SINGLE WHEEL TRICYCLE

Ref. No.	Part No.	Description	No. Req.
1	183 645 M91	Support Assembly, Front Wheel	1
2	196 080 M1	Bearing, Needle (Upper)	1
3	196 089 M1	Seal, Oil (1-3/4 x 201/8 x 3/16")	1
4	196 081 M1	Bearing, Needle (Lower)	1
5	196 090 M1	Seal, Oil (2-1/8 x 2 1/2 x 3/16")	1
6	15 438 X	Grease Fitting (1/8" P.T.,45°)	1
7	13 533 X	Grease Fitting (1/8" P.T., 90°)	1
8	182 649 M91	Yoke Assembly, Front Wheel Spindle	1
9	196 093 M1	Seal, Oil (2-7/8 x 3-3/4 x 1/4")	1
10	182 676 M1	Race, Bearing, Lower (2-1/8 x 3 x 1/8")	1
11	835 047 M1	Bearing, Thrust (Needle)	1
12	182 677 M1	Race, Bearing, Upper (2-1/4 x 3 x 3/32")	1
13	182 644 M1	Washer, Thrust	1
14	182 668 M1	Shim (.002")	x
14	182 669 M1	Shim (.005")	x
14	182 670 M1	Shim (.010")	x
15	194 057 M1	Cap, Dust	1
16	182 646 M1	Arm, Spindle	1
17	182 596 M91	Link Assembly, Steering Arms	1
18	196 099 M1	Seal, Dust (Rubber)	2
19	182 594 M1	Arm, Steering (Manual Steering)	1
19	182 734 M1	Arm, Steering (Power Steering)	1
20	182 629 M1	Shaft, Front Axle	1
21	15 840 A	Washer, Front Axle (Eccentric)	2
22	15 846 A	Nut (1-3/8" NF, Hex., Sltd.)	2
		TRICYCLE TWIN	
26	182 590 M2	Support, Front Axle	1
27	182 591 M93	Pedestal Assembly, Front Axle	1
28	22 626 X	Cup, Bearing (Upper)	1
29	195 756 M1	Cone, Bearing (Upper)	1
30	833 415 M1	Seal, Oil	1
31	195 525 M1	Cup, Bearing (Lower)	1
32	16 012 X	Cone, Bearing (Lower)	1
33	182 595 M1	Shaft, Front Wheel Spindle	1
34	182 597 M91	Spindle Assembly, Front Wheel	1
35	196 070 M1	Key, Shaft (1/2" Sq. x 2-3/4")	1
36	196 069 M1	Seal, Oil (3 x 4 x 1/2")	1
37	353 931 X1	Nut, Shaft (1-1/4" NF, Hex., Sltd.)	1
38	196 071 M1	Washer (21/32 x 2 x 3/16")	1
39	182 600 M1	Washer (Lip)	1
40	353 609 X1	Bolt (5/8 x 1-1/4" NF, Hex.)	1
41	182 593 M1	Arm, Spindle Shaft	1
42	182 596 M91	Link Assembly, Steering Arms	1
43	196 099 M1	Seal, Dust, (Rubber)	2
44	182 594 M1	Arm, Steering (Manual Steering)	1
44	182 734 M1	Arm Steering (Power Steering)	1
48	354 416 X1	Cotter Pin (3/16 x 2-1/2")	x
49	354 095 X1	Cotter Pin (1/4 x 2-1/2")	x
50	353 559 X1	Bolt (7/16 x 1" NC, Hex.)	x
51	353 700 X1	Bolt (7/16 x 1-1/4" NC, Hex.)	x
52	353 702 X1	Bolt (7/16 x 1-1/2" NC, Hex.)	x
53	353 432 X1	Washer (7/16" Lock)	x
54	353 724 X1	Bolt (1/2 x 1-1/2" NC, Hex.)	x
55	353 439 X1	Washer (1/2" Lock)	x
56	354 282 X1	Bolt (5/8 x 1-5/8" NC, Hex.)	x
56	354 283 X1	Bolt (5/8 x 1-7/8" NC, Hex.)	x
56	354 289 X1	Bolt (5/8 x 3" NC, Hex.)	x
58	353 433 X1	Washer (5/8" Lock)	x
59	353 429 X1	Nut (5/8" NF, Half Hex.)	x

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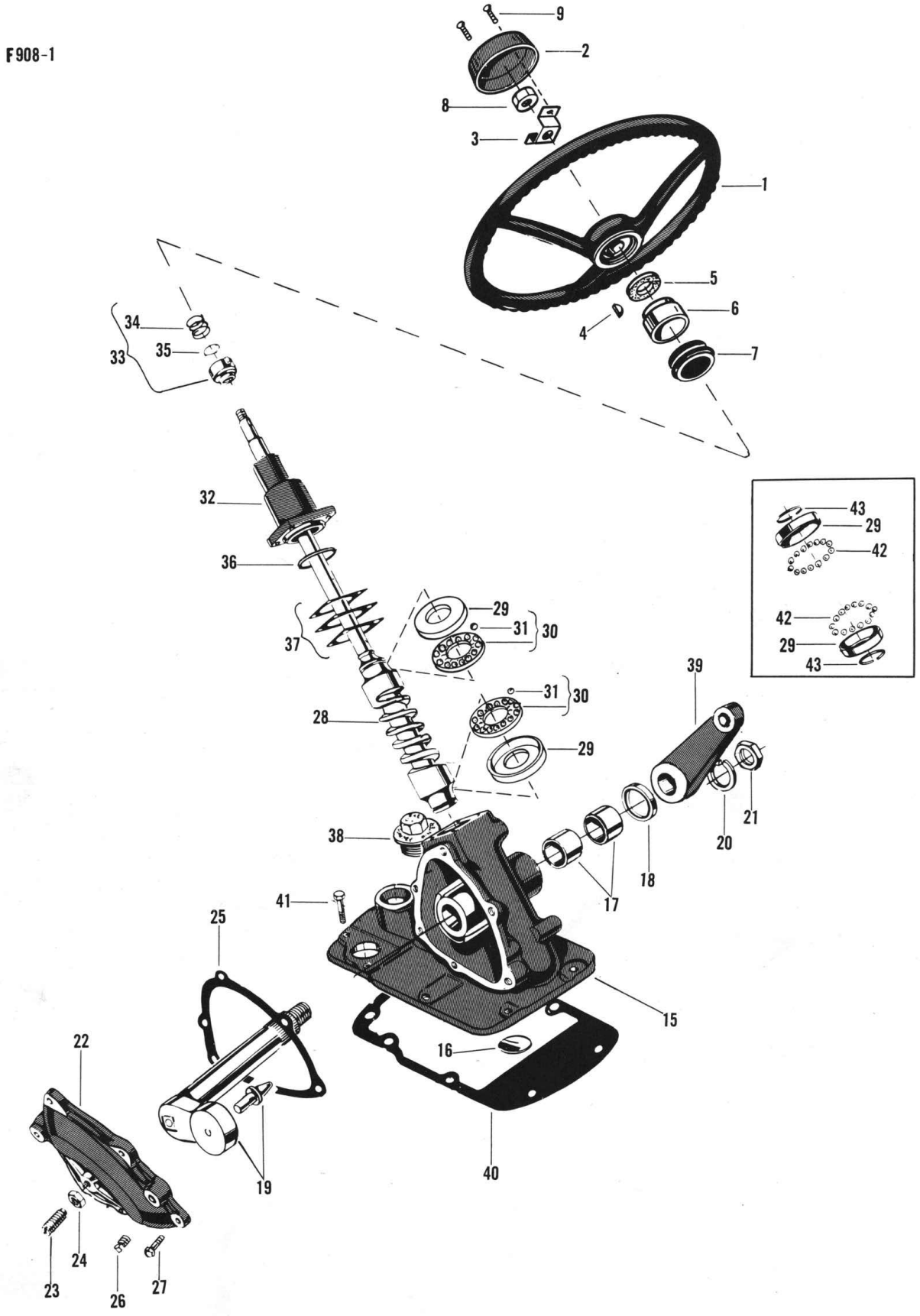
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STEERING GEAR

USED ALL AGRICULTURAL MODELS

(USED TRACTOR SERIAL NO. 692932 AND UP)

(SEE PAGE 193 FOR U.K. STEERING GEAR)

Ref. No.	Part No.	Description	No. Req.
1	192 432 M2	Wheel, Steering	1
2	193 131 M1	Cowl, Steering Wheel (Power Steering)	1
2	193 211 M1	Cowl, Steering Wheel (Manual Steering)	1
3	193 146 M1	Bracket, Steering Wheel Cowl	1
4	2 951 X	Key, Steering Wheel (3/16 x 3/4" Woodruff)	1
5	180 573 M1	Washer, Dust (13/16 x 1-9/16 x 3/32" Felt)	1
6	184 785 M1	Cap, Steering Column	1
7	180 575 M1	Seal, Steering Column (Rubber)	1
8	353 429 X1	Nut, Steering Wheel Retaining (5/8" NF, Half Hex.)	1
9	357 137 X1	Screw, Cowl Retaining (#8 - 32 x 3/8" Oval Hd.)	2
(A)	182 693 M91	Gear Assembly, Steering	1
15	1 751 853 M91	Housing Assembly, Steering Gear	1
16	14 708 X	Plug (2" Expansion)	1
17	1 751 730 M1	Bushing, Levershaft (1-5/8 x 1-3/4 x 1-1/2")	2
18	1 751 733 M1	Seal, Oil (1-5/8 x 2-1/4 x 1/2")	1
19	1 751 861 M91	Levershaft Assembly, w/Stud	1
20	353 451 X1	Washer (1-1/8" Lock)	1
21	1 751 739 M1	Nut (1-1/8" NF, Hex.)	1
22	1 751 864 M91	Cover Assembly, Housing Side	1
23	1 751 740 M1	Screw, Adjusting	1
24	353 428 X1	Nut, Lock, Adjusting Screw (7/16" NF, Half Hex.)	1
25	1 751 732 M1	Gasket, Side Cover	1
26	375 181 X1	Plug, Cover (3/8" P.T., Sq. Hd.)	1
27	1 751 741 M1	Bolt, Cover (3/8 x 1" NC, Hex., Special)	9
28	1 751 855 M91	Shaft Assembly, Steering	1
29	1 003 341 M1	Cup, Ball Retaining	2
30	1 024 477 M91	Bearing Assembly	2
31	22 199 X	Ball	10
32	1 751 858 M91	Cover Assembly, Worm Shaft	1
33	1 751 860 M91	Bearing Assembly, Cover Tube	1
34	1 500 490 M1	Spring, Bearing	1
35	1 500 491 M1	Seat, Bearing Spring	1
36	1 751 738 M1	"O" Ring, Cover	1
37	15 753 A	Shim, Cover (.002")	x
37	15 751 A	Shim, Cover (.003")	x
37	15 752 A	Shim, Cover (.010")	x
38	768 300 M1	Plug, Transmission Filler	1
39	182 775 M1	Arm, Steering	1
40	180 511 M2	Gasket, Housing	1
41	353 700 X1	Bolt (7/16 x 1-1/4" NC, Hex.)	x
42 (B)	22 199 X	Ball	28
43 (B)	14 069 E	Ring, Snap, Cup Retaining	2

Notes: (A) - See Page 191 for Manual Steering Gear for Tractors manufactured for Export.
(B) - Some early Steering Gear were produced with loose Balls and Snap Ring. Loose Balls and Snap Ring may be replaced with 1 024 477 M91, Bearing Assembly.

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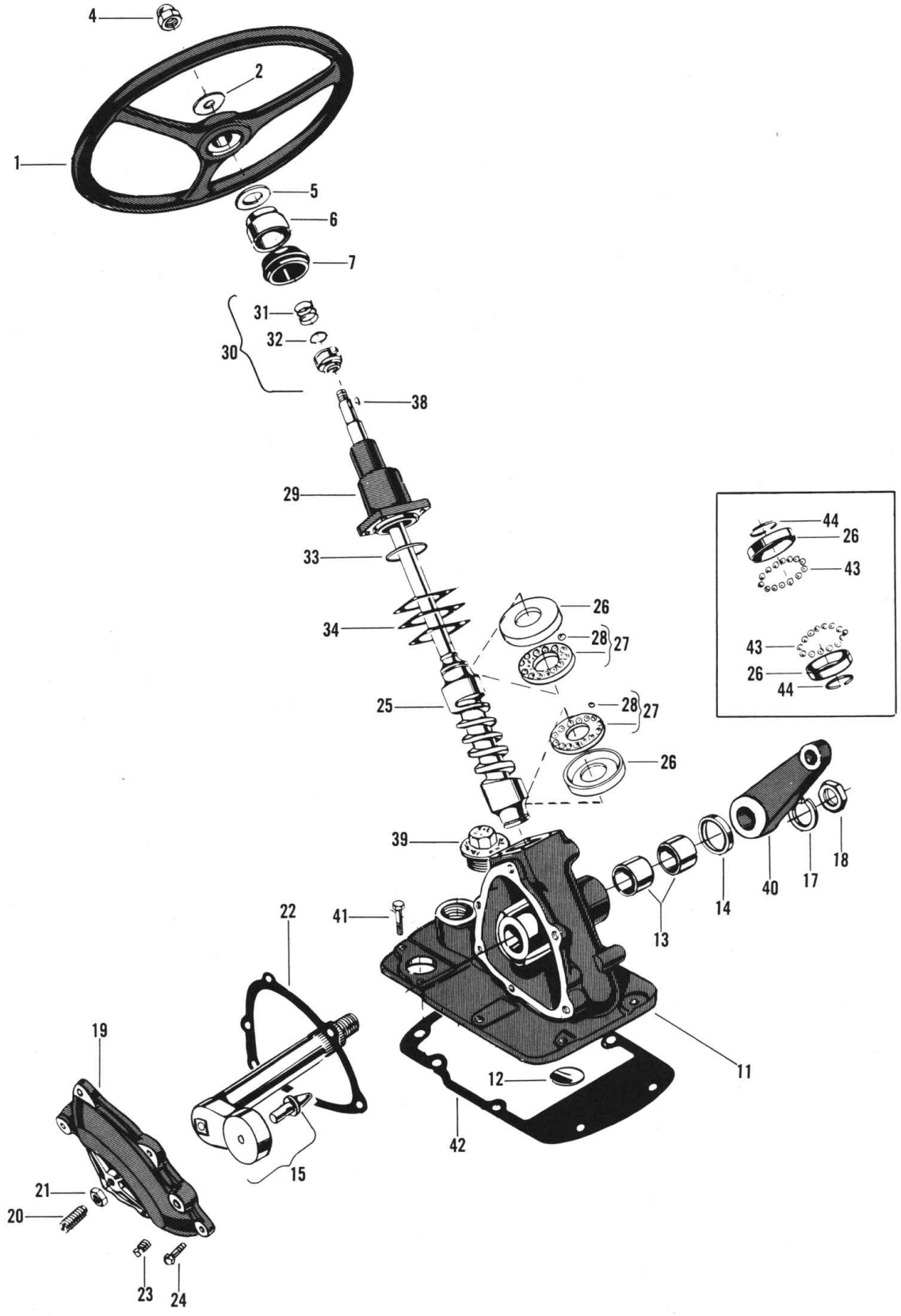
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STEERING GEAR

UTILITY AND ORCHARD

(USED AGRICULTURAL TRICYCLE MODELS PRIOR TO TRACTOR SERIAL NO. 692932)

Ref. No.	Part No.	Description	No. Req.
1	180 576 M1	Wheel, Steering	1
1	185 473 M1	Wheel, Steering ("Special" Models)(Order 180 576 M1)	1
2	180 577 M1	Washer, Steering Wheel (21/32 x 1-27/32 x 1/16") (Used with Manual Steering)	1
	183 174 M1	Emblem, Steering Wheel (Power Steering)	1
4	195 592 M1	Nut, Dome, Steering Wheel	1
5	180 573 M1	Washer, Dust (13/16 x 1-9/16 x 3/32" Felt)	1
6	184 785 M1	Cap, Steering Column	1
7	180 575 M1	Seal, Steering Column (Rubber)	1
(A)	182 693 M91	Gear Assembly, Steering (Power Steering)	1
11	1 751 853 M91	Housing Assembly, Steering Gear	1
12	14 708 X	Plug (2" Expansion)	1
13	1 751 730 M1	Bushing, Levershaft (1-5/8 x 1-3/4 x 1-1/2")	2
14	1 751 733 M1	Seal, Oil (1-5/8 x 2-1/4 x 1/2")	1
15	1 751 861 M91	Levershaft Assembly, w/Stud	1
17	353 451 X1	Washer (1-1/8" Lock)	1
18	1 751 739 M1	Nut (1-1/8" NF, Hex.)	1
19	1 751 864 M91	Cover Assembly, Housing Side	1
20	1 751 740 M1	Screw, Adjusting	1
21	353 428 X1	Nut, Lock, Adjusting Screw (7/16" NF, Half Hex.)	1
22	1 751 732 M1	Gasket, Side Cover	1
23	375 181 X1	Plug, Cover (3/8" P.T., Sq. Hd.)	1
24	1 751 741 M1	Bolt, Cover (3/8 x 1" NC, Hex., w/Nylon Insert)	9
25	1 751 855 M91	Shaft Assembly, Steering	1
26	1 003 341 M1	Cup, Ball Retaining	2
27	1 024 477 M91	Bearing Assembly	2
28	22 199 X	Ball	10
29	1 751 858 M91	Cover Assembly, Worm Shaft	1
30	1 751 860 M91	Bearing Assembly, Cover Tube	1
31	1 500 490 M1	Spring, Bearing	1
32	1 500 491 M1	Seat, Bearing Spring	1
33	1 751 738 M1	"O" Ring, Cover	1
34	15 753 A	Shim, Cover (.002")	x
34	15 751 A	Shim, Cover (.003")	x
34	15 752 A	Shim, Cover (.010")	x
38	2 951 X	Key (3/16 x 3/4" Woodruff)	1
39	768 300 M1	Plug, Filler, Transmission	1
40	182 775 M1	Arm, Steering	1
41	353 700 X1	Bolt (7/16 x 1-1/4" NC, Hex.)	x
42	180 511 M2	Gasket, Housing	1
43 (B)	22 199 X	Ball	28
44 (B)	14 069 E	Ring, Snap, Cup Retaining	2

Notes: (A) - See Page 191 for Manual Steering Gear for Tractors manufactured for Export.
(B) - Some early Steering Gear were equipped with Loose Balls and Snap Ring. Loose Balls and Snap Ring may be replaced with 1 024 477 M91, Bearing Assembly.

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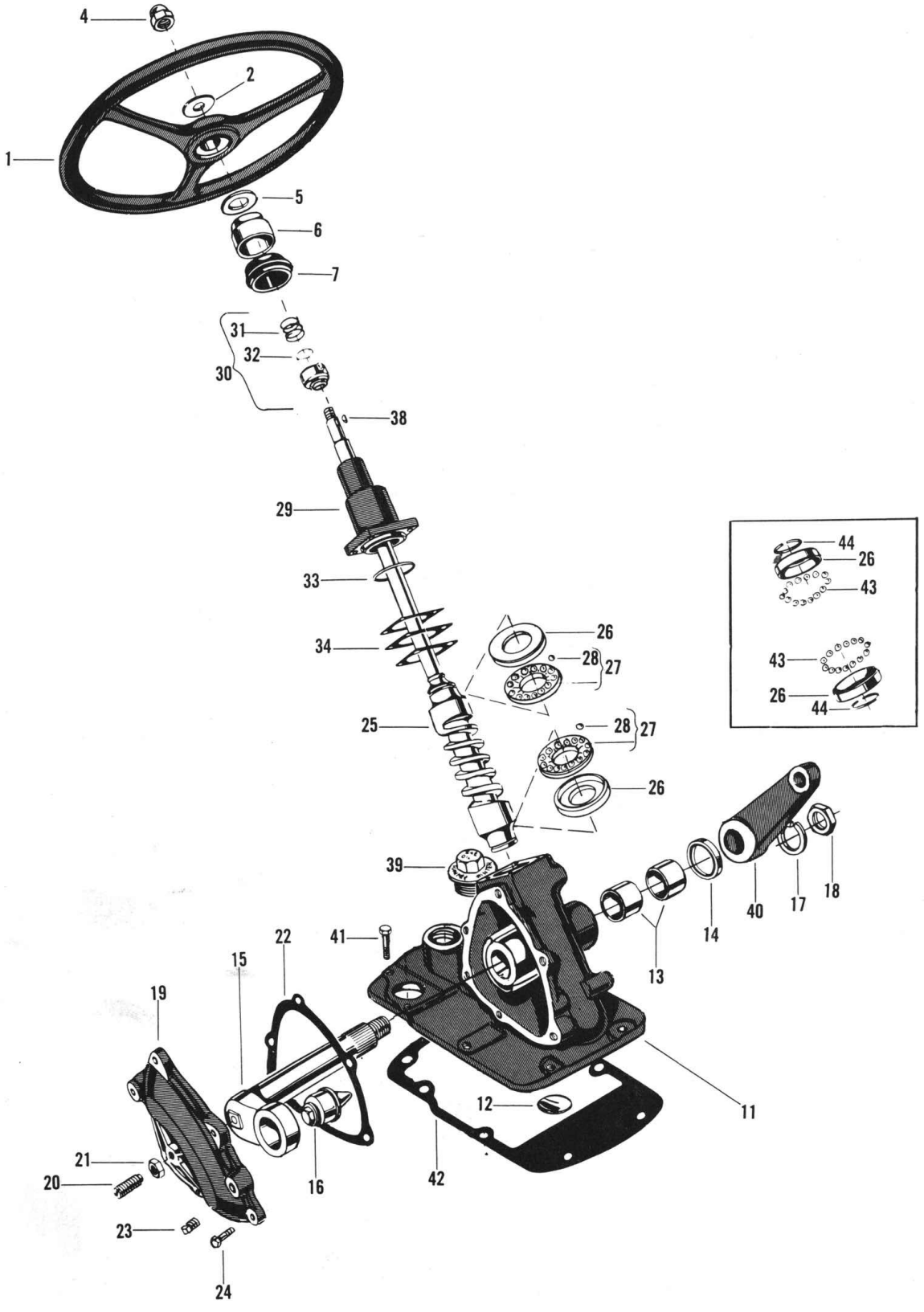
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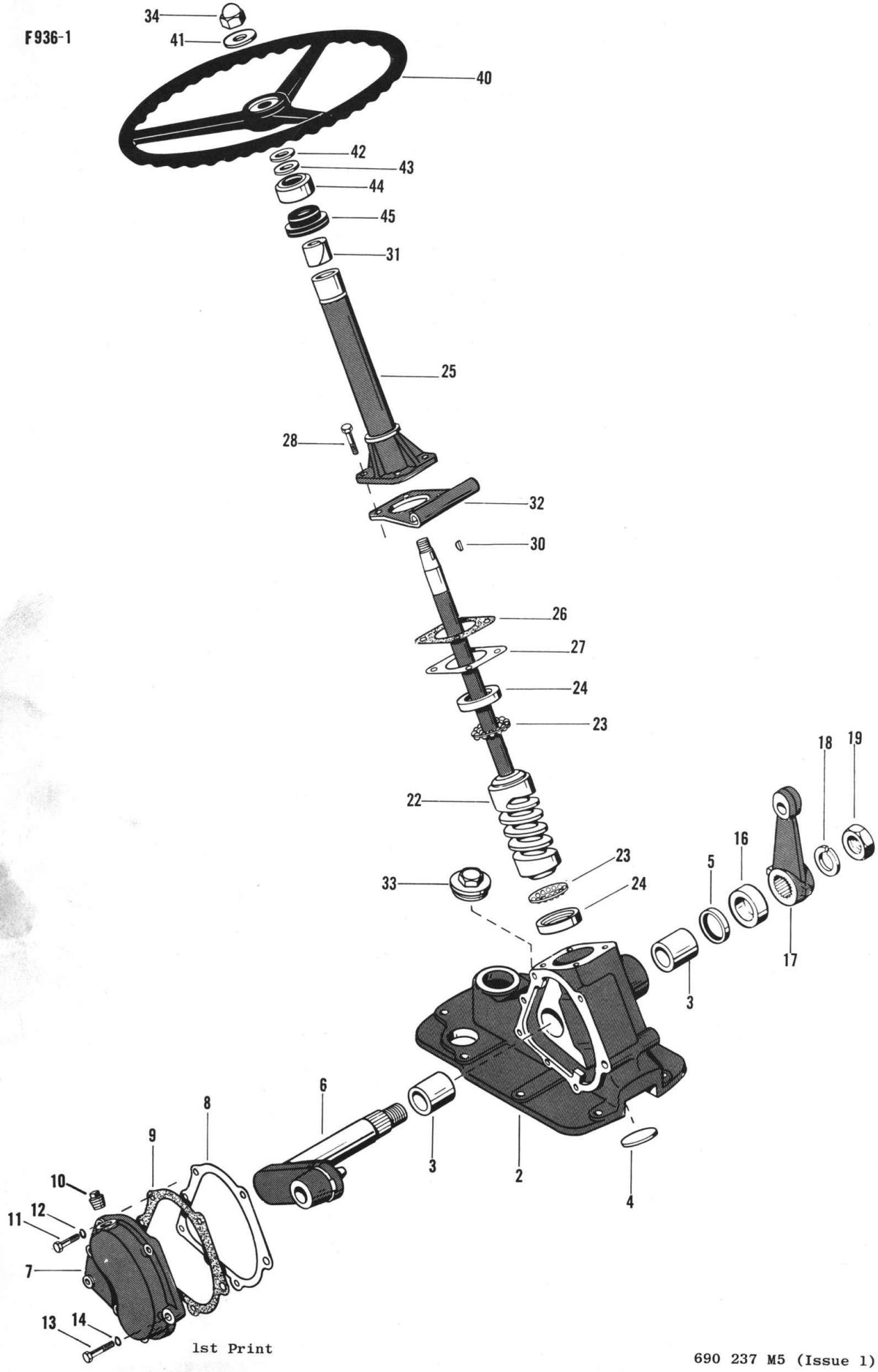
STEERING GEAR

STANDARD AND HI-ARCH

(USED PRIOR TO TRACTOR SERIAL NO. 692932)

Ref. No.	Part No.	Description	No. Req.
1	180 576 M1	Wheel, Steering	1
1	185 473 M1	Wheel, Steering ("Special" Models)(Order 180 576 M1)	1
2	180 577 M1	Washer, Steering Wheel (21/32 x 1-27/32 x 1/16") (Used with Manual Steering)	1
	183 174 M1	Emblem, Steering Wheel (Power Steering)	1
4	195 592 M1	Nut, Dome, Steering Wheel	1
5	180 573 M1	Washer, Dust (13/16 x 1-9/16 x 3/32" Felt)	1
6	184 785 M1	Cap, Steering Column	1
7	180 575 M1	Seal, Steering Column (Rubber)	1
(A)	182 694 M91	Gear Assembly, Steering (Manual Steering)	1
11	1 751 853 M91	Housing Assembly, Steering Gear	1
12	14 708 X	Plug (2" Expansion)	1
13	1 751 730 M1	Bushing, Levershaft (1-5/8 x 1-3/4 x 1-1/2")	2
14	1 751 733 M1	Seal, Oil (1-5/8 x 2-1/4 x 1/2")	1
15	1 751 862 M91	Levershaft Assembly	1
16	1 751 729 M92	Bearing Assembly, w/Stud	1
17	353 451 X1	Washer (1-1/8" Lock)	1
18	1 751 739 M1	Nut (1-1/8" NF, Hex.)	1
19	1 751 864 M91	Cover Assembly, Housing Side	1
20	1 751 740 M1	Screw, Adjusting	1
21	353 428 X1	Nut, Lock, Adjusting Screw (7/16" NF, Half Hex.)	1
22	1 751 732 M1	Gasket, Side Cover	1
23	375 181 X1	Plug, Cover (3/8" P.T., Sq. Hd.)	1
24	1 751 741 M1	Bolt, Cover (3/8 x 1" NC, Hex., w/Nylon Insert)	9
25	1 751 857 M91	Shaft Assembly, Steering	1
26	1 003 341 M1	Cup, Ball Retaining	2
27	1 024 477 M91	Bearing Assembly	2
28	22 199 X	Ball	10
29	1 751 858 M91	Cover Assembly, Worm Shaft	1
30	1 751 860 M91	Bearing Assembly, Cover Tube	1
31	1 500 490 M1	Spring, Bearing	1
32	1 500 491 M1	Seat, Bearing Spring	1
33	1 751 738 M1	"O" Ring, Cover	1
34	15 753 A	Shim, Cover (.002")	x
34	15 751 A	Shim, Cover (.003")	x
34	15 752 A	Shim, Cover (.010")	x
38	2 951 X	Key (3/16 x 3/4" Woodruff)	1
39	768 300 M1	Plug, Filler, Transmission	1
40	182 775 M1	Arm, Steering	1
41	353 700 X1	Bolt (7/16 x 1-1/4" NC, Hex.)	x
42	180 511 M2	Gasket, Housing	1
43 (B)	22 199 X	Ball	28
44 (B)	14 069 E	Ring, Snap, Cup Retaining	2

Notes: (A) - Also used on Tractors manufactured for Export.
(B) - Some early Steering Gear were produced with Loose Balls and Snap Ring. Loose Balls and Snap Ring may be replaced with 1 024 477 M91, Bearing Assembly.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STEERING GEAR

(FIRST USED TRACTOR SERIAL NO. 689 002)

Ref. No.	Part No.	Description	No. Req.
	894 314 M91	Gear Assembly, Steering	1
2	1 852 806 M91	Housing Assembly	1
3	1 850 517 M1	Bushing (1-1/2 x 1-5/8 x 1-3/4")	2
4	1 850 518 M1	Plug, Expansion	1
5	1 850 519 M1	Seal, Oil (1-1/2 x 2 x 7/32")	1
6	1 852 680 M91	Shaft Assembly, w/Roller	1
7	1 852 639 M1	Cover, Side	1
8	1 850 535 M1	Shim, Side Cover (.0024" Brass)	x
8	1 850 536 M1	Shim, Side Cover (.005" Steel)	x
9	1 850 538 M1	Gasket, Side Cover	1
10	1 850 036 M1	Plug, Side Cover (3/8" P.T., Sq. Hd., Special)	1
11	353 520 X1	Bolt, Side Cover (5/16 x 1-1/8" NF, Hex.)	6
12	353 446 X1	Washer (5/16" Lock)	6
13	353 702 X1	Bolt, Side Cover (7/16 x 1-1/2" NC, Hex.)	1
14	353 432 X1	Washer (7/16" Lock)	1
16	1 884 244 M1	Ring, Sealing	1
17	894 315 M1	Arm, Steering	1
18	1 850 541 M1	Washer, Steering Arm	1
19	1 850 542 M1	Nut, Steering Arm Retaining	1
22	1 850 588 M91	Shaft Assembly, Worm	1
23	1 850 526 M91	Bearing Assembly, Ball	2
24	1 850 527 M1	Cup, Bearing	2
25	1 852 808 M91	Tube Assembly	1
26	1 850 533 M1	Gasket, Tube to Housing	1
27	1 850 530 M1	Shim (.0024" Brass)	x
27	1 850 531 M1	Shim (.005" Steel)	x
27	1 850 532 M1	Shim (.010" Steel)	x
28	1 852 910 M1	Bolt (7/16 x 1-3/8" NF, Hex., w/Lock Washer)	4
30	2 951 X	Key, Steering Wheel (3/16 x 3/4" Woodruff)	1
31	1 850 539 M1	Seal (Felt)	1
32	828 757 M1	Bracket, Battery Platform Support	1
33	768 300 M1	Plug, Oil Filler	1
34	195 592 M1	Nut, Steering Wheel Retaining	1
40	180 576 M1	Wheel, Steering	1
41	180 577 M1	Washer (21/32 x 1-27/32 x 1/16" Steel)	1
42	831 243 M1	Washer (5/8 x 1 x 1/64" Fiber)	1
43	180 573 M1	Washer (13/16 x 1-9/16 x 3/32" Felt)	1
44	184 785 M1	Cap, Steering Column	1
45	180 575 M1	Seal (Rubber)	1

POWER STEERING PUMP

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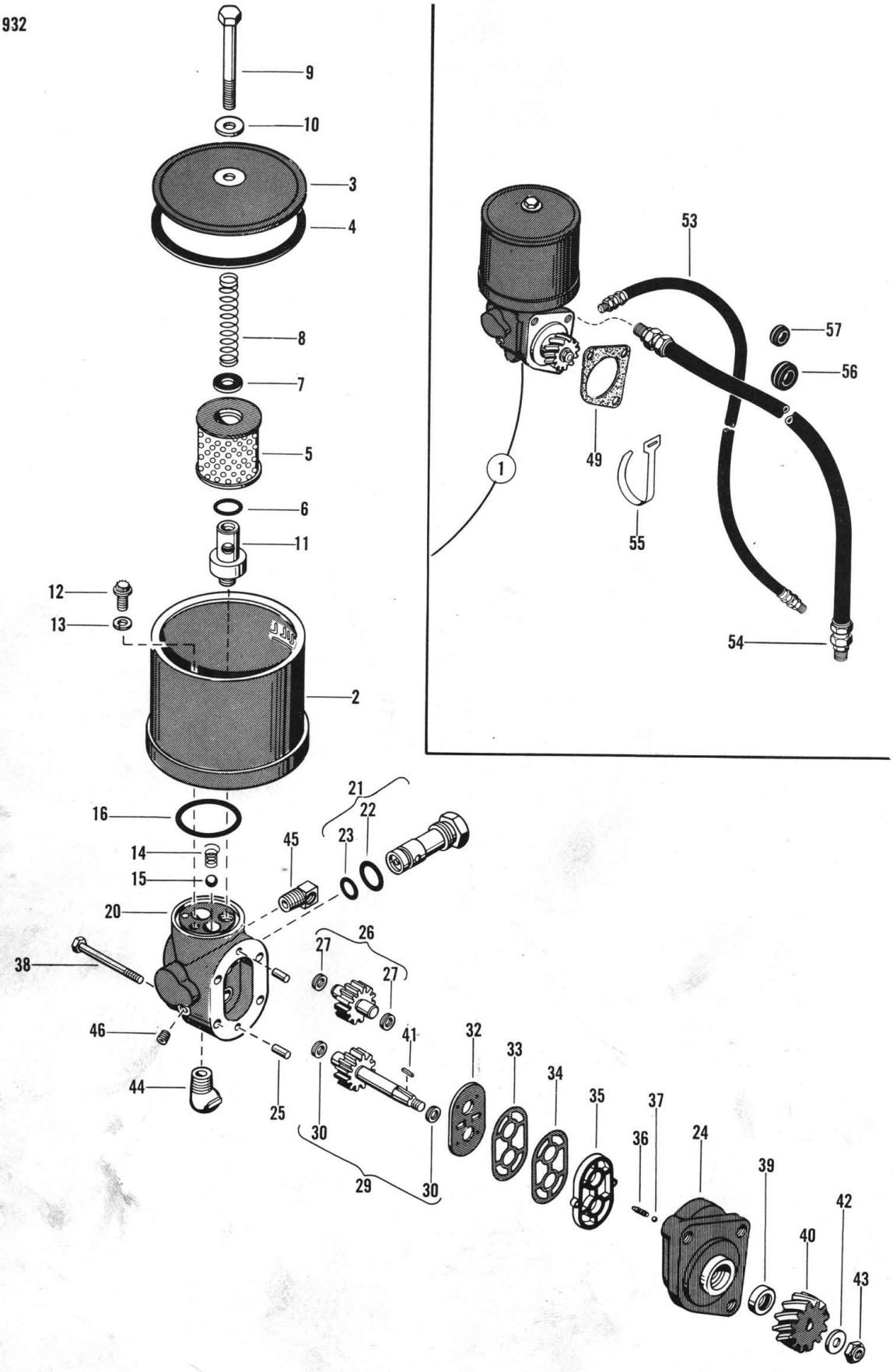


POWER STEERING PUMP

GAS AND L.P.

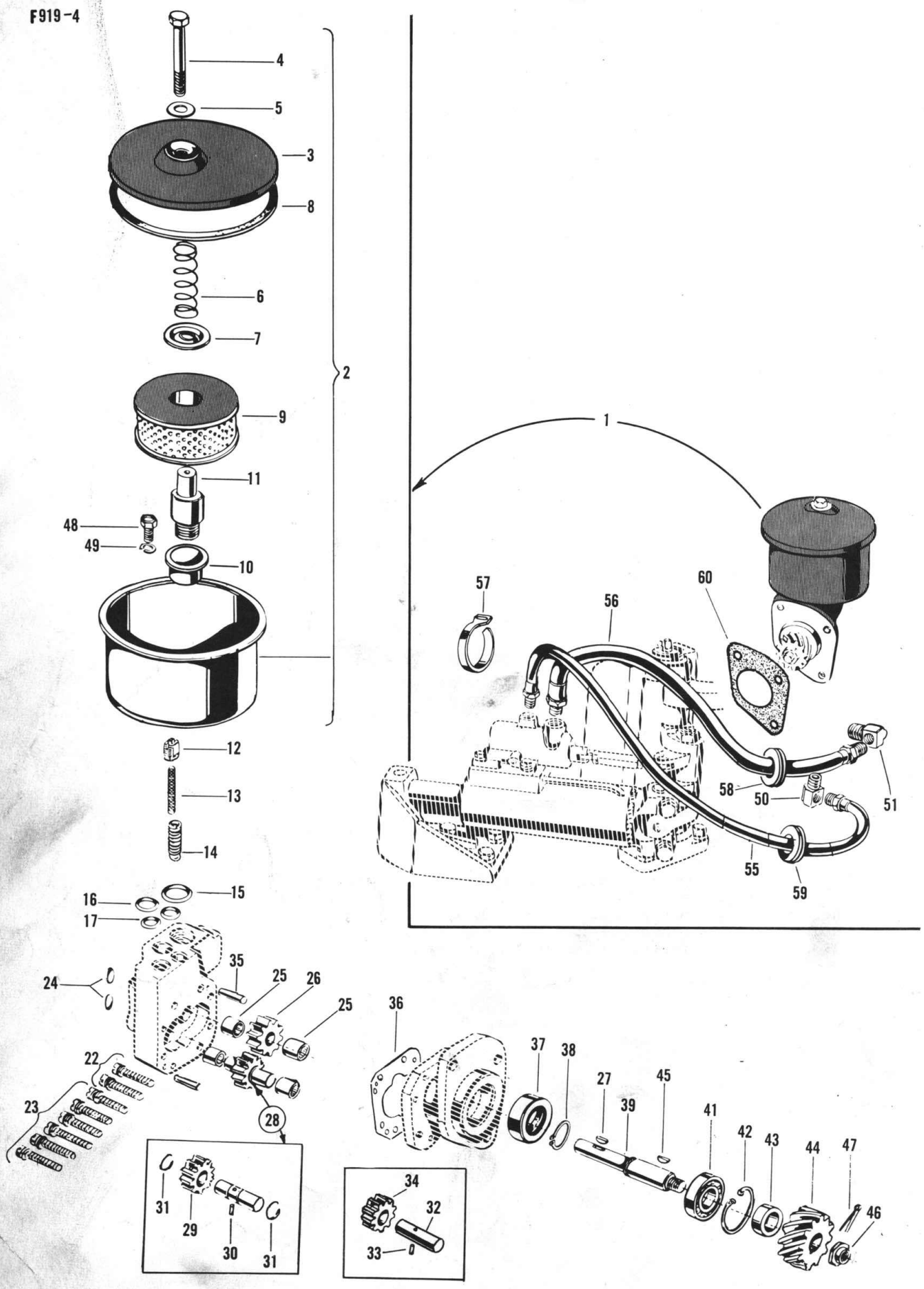
(USED TRACTOR SERIAL NO. 692981 AND UP)

Ref. No.		Part No.	Description	No. Req.
1		191 424 M91	Pump Assembly, Hydraulic (Cessna #20190-06BIB)	1
2		1 031 261 M1	Reservoir, Oil	1
3		1 021 977 M1	Cover, Reservoir	1
4	(B)	836 013 M91	Gasket, Cover to Reservoir (w/Adhesive)	1
5	(B)	1 023 057 M1	Element, Oil Filter Cartridge	1
6	(B,C)	1 028 211 M1	Gasket, Element, Lower (See Note "C")	1
7	(B)	1 023 058 M1	Seat, Element, Spring	1
8		1 023 059 M1	Spring, Element Pressure	1
9		354 503 X1	Bolt, Reservoir Retaining (3/8 x 3-1/4" NF, Hex.)	1
10	(B)	1 021 980 M1	Washer, Reservoir Bolt	1
11		1 023 056 M1	Seat, Reservoir Core	1
12		1 021 981 M1	Bolt, Reservoir to Pump (5/16 x 5/8" NC, Special)	1
13		353 446 X1	Washer (5/16" Lock)	1
14		1 023 060 M1	Spring, Check Valve	1
15		22 199 X	Ball, Check Valve (3/8" Dia.)	1
16	(A)	1 023 065 M1	"O" Ring, Reservoir to Pump	1
20		1 023 052 M91	Housing Assembly, Pump	1
21		1 023 061 M91	Valve Assembly, Relief (1500 P.S.I.)	1
22	(A)	851 134 M1	"O" Ring, Valve, Outer	1
23	(A)	831 520 M1	"O" Ring, Valve, Inner	1
24		1 021 971 M91	Plate Assembly, Front	1
25		1 021 966 M1	Pin, Front Plate Locating	2
26		1 021 965 M91	Gear Assembly, Idler	1
27		1 021 964 M1	Ring, Snap, Idler Gear Retaining	2
29		1 021 963 M91	Gear Assembly, Driven	1
30		1 021 964 M1	Ring, Snap, Driven Gear Retaining	2
32	(A)	1 021 967 M1	Diaphragm, Pump	1
33	(A)	1 021 968 M1	Gasket, Diaphragm Back-up	1
34	(A)	1 021 969 M1	Protector, Gasket	1
35	(A)	1 021 970 M1	Seal, Diaphragm	1
36	(A)	1 021 975 M1	Spring, Check Valve	1
37	(A)	360 233 X1	Ball, Check Valve (5/32" Dia.)	1
38		1 021 973 M1	Bolt, Front Cover Retaining (1/4 x 2-1/2" NC, Hex.)	4
39	(A)	1 021 972 M1	Seal, Oil	1
40		1 023 053 M1	Gear, Pump Drive	1
41		363 552 X1	Key, Drive Gear	1
42		355 617 X1	Washer (5/16" Flat)	1
43		1 021 983 M1	Nut, Drive Gear Retaining	1
44		196 160 M1	Elbow, Pressure	1
45		355 526 X1	Elbow, Return	1
46		375 184 X1	Plug, Housing	1
		835 732 M91	Repair Kit, Pump (Incl. all items marked "A")	1
		835 731 M92	Repair Kit, Reservoir (Incl. all items marked "B")	1
49		191 469 M1	Gasket, Pump to Cylinder Block	1
53		183 052 M91	Hose Assembly, Pressure (1/4" ID x 9/16" OD x 47")	1
54		183 053 M91	Hose Assembly, Return (3/8" ID x 3/4" OD x 43-1/2")	1
55		185 172 M1	Strap, Hose Retainer	1
56		196 168 M1	Grommet, Return Hose (3/4" ID)	1
57		196 169 M1	Grommet, Pressure Hose (9/16" ID)	1

Note: (C) - Some early Pumps used an "O" Ring Lower Element Seal. Gasket, 1 028 211 M1 will replace this "O" Ring.

POWER STEERING PUMP

F919-4



POWER STEERING PUMP

GAS AND L.P.

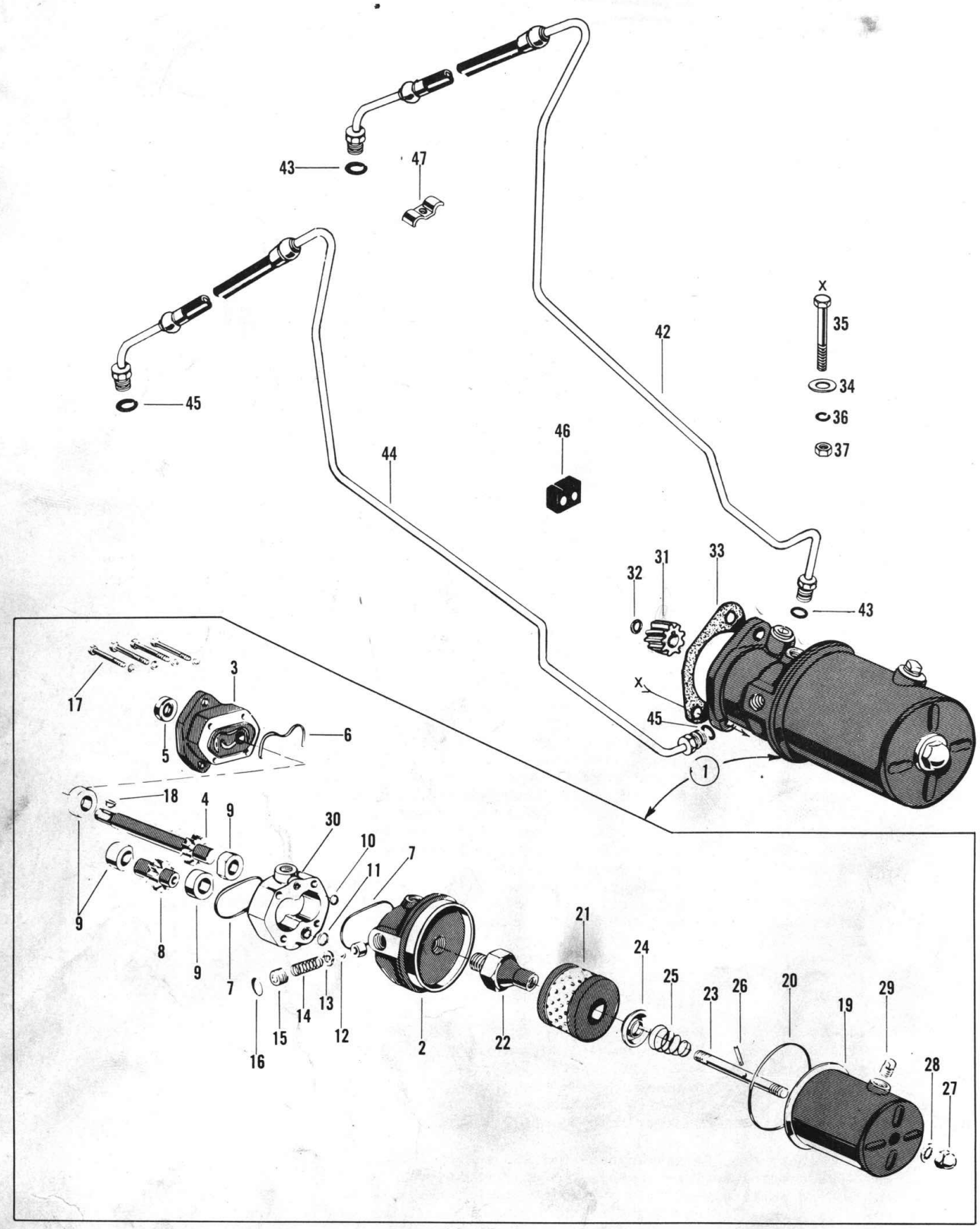
(USED PRIOR TO TRACTOR SERIAL NO. 692 981)

Ref. No.	Part No.	Description	No. Req. M92	No. Req. M91
1 (A)	184 855 M92	Pump Assembly (Barnes #GC-1160-A-12WA)(Order 191 424 M91)	1	-
1 (B)	184 855 M91	Pump Assembly (Barnes #GC-1160-A-12DA)(Order 191 424 M91)	-	1
2	1 752 632 M91	Reservoir Assembly, Oil	1	1
3	1 018 235 M1	Cover, Reservoir	1	1
4	1 017 511 M1	Bolt, Cover Retaining	1	1
5	1 017 512 M1	Washer, Cover Bolt	1	1
6	1 017 513 M1	Spring, Element	1	1
7	1 017 514 M1	Cup, Spring Seat	1	1
8	1 751 815 M1	Gasket, Cover	1	1
9	1 008 553 M1	Element, Oil Filter	1	1
10	1 751 818 M1	Cup, Element Seat	1	1
11	1 751 820 M1	Stud, Reservoir Retaining	1	1
12	1 020 997 M1	Screw, Adjusting	1	1
13	1 751 630 M1	Spring, Adjusting Screw	1	1
14	1 751 631 M91	Spring Assembly, Relief, w/Ball	1	1
15	196 056 M1	"O" Ring (3/4 x 1 x 9/64")	1	1
16	831 585 M1	"O" Ring (9/16 x 3/4 x 7/64")	1	1
17	195 562 M1	"O" Ring (7/16 x 5/8 x 7/64")	2	2
22	1 025 709 M1	Screw, Body (1/4 x 1-3/4" NC, Fill. Hd.)	2	2
23	1 751 770 M1	Screw, Body (1/4 x 2" NC, Fill. Hd.)	6	6
24	14 281 X	Plug (11/16" Expansion)	2	2
25	1 751 706 M1	Bearing, Needle	4	4
26	1 018 836 M1	Gear, Leading (9/16" Wide)	1	-
26	1 751 623 M1	Gear, Leading (1/2" Wide)	-	1
27	1 501 333 M1	Key, Leading Gear to Shaft (1/8 x 1/2" Woodruff)	1	1
28	1 018 841 M91	Shaft Assembly, Idler Gear	1	-
29	1 018 836 M1	Gear, Follow (9/16" Wide)	1	-
30	1 025 562 M1	Pin, Shear, Gear to Shaft (7/32" Long)	1	-
31	1 017 322 M1	Ring, Snap, Gear Retaining	2	-
28 (C)	1 018 443 M91	Shaft Assembly, Idler Gear	-	1
29	1 751 623 M1	Gear, Follow (1/2" Wide)	-	1
30	1 025 562 M1	Pin, Shear, Gear to Shaft (7/32" Long)	-	1
31	1 017 322 M1	Ring, Snap, Gear Retaining	-	2
32 (D)	1 751 627 M1	Shaft, Idler Gear	-	1
33 (E)	1 751 626 M1	Pin, Shear, Gear to Shaft (3/8" Long)	-	1
34 (F)	1 022 847 M1	Gear, Follow (1/2" Wide with Shear Pin Hole)	-	1
35	1 751 650 M1	Pin, Locating (3/16 x 1")	2	2
36	1 018 840 M1	Gasket, Housing to Body (.0005" Thick)	1	1
37	1 751 651 M1	Seal, Oil (7/16 x 1 x 3/8")	1	1
38	355 791 X1	Ring, Snap, Bearing to Shaft	1	1
39	1 018 835 M1	Shaft, Pump Drive	1	-
39	1 751 622 M1	Shaft, Pump Drive	-	1
41	13 851 X	Bearing, Ball, Drive Shaft	1	1
42	355 602 X1	Ring, Snap, Bearing to Housing	1	1
43	1 017 348 M1	Spacer, Drive Shaft (w/Out Keyway)	1	-
43	1 751 813 M1	Spacer, Drive Shaft (w/Keyway)	-	1
44	1 754 029 M1	Gear, Pump Drive	1	1
45	2 957 X	Key, Pump Drive Gear (1/8 x 1/2" Woodruff)	1	1
46	1 751 753 M1	Nut, Drive Gear Retaining (3/8" NF, Hex., Special)	1	1
47	354 041 X1	Cotter Pin (1/16 x 3/4")	1	1
48	353 677 X1	Bolt (5/16 x 3/4" NC, Hex.)	1	1
49	353 446 X1	Washer (5/16" Lock)	1	1
50	196 160 M1	Elbow, Pressure Hose	1	1
51	196 161 M1	Elbow, Return Hose	1	1
55	183 052 M91	Hose Assembly, Pressure (1/4" ID x 9/16" OD x 47")	1	1
56	183 053 M91	Hose Assembly, Return (3/8" ID x 3/4" OD x 43-1/2")	1	1
57	185 172 M1	Strap, Hose Retaining	1	1
58	196 168 M1	Grommet, Return Hose (3/4" ID)	1	1
59	196 169 M1	Grommet, Pressure Hose (9/16" ID)	1	1
60	191 469 M1	Gasket, Pump Mounting	1	1

Notes: (A) - Used Tractor Serial Numbers 682 999 to 692 981.
(B) - Used prior to Tractor Serial Number 682 999.
(C) - Used on late Model 187 478 M91 Pumps. Gear is retained on Shaft by 2 Snap Rings.
(D) - Used on early Model 187 478 M91 Pumps. Shaft has no Snap Ring Grooves. Gear is retained by Shear Pin. For repairs order 1 018 443 M91, Shaft Assembly.
(E) - Used with 1 751 627 M1, Shaft.
(F) - Used with 1 751 627 M1, Shaft. For repairs order 1 018 443 M91, Shaft Assembly.

POWER STEERING PUMP AND LINES

F789-2



POWER STEERING PUMP AND LINES

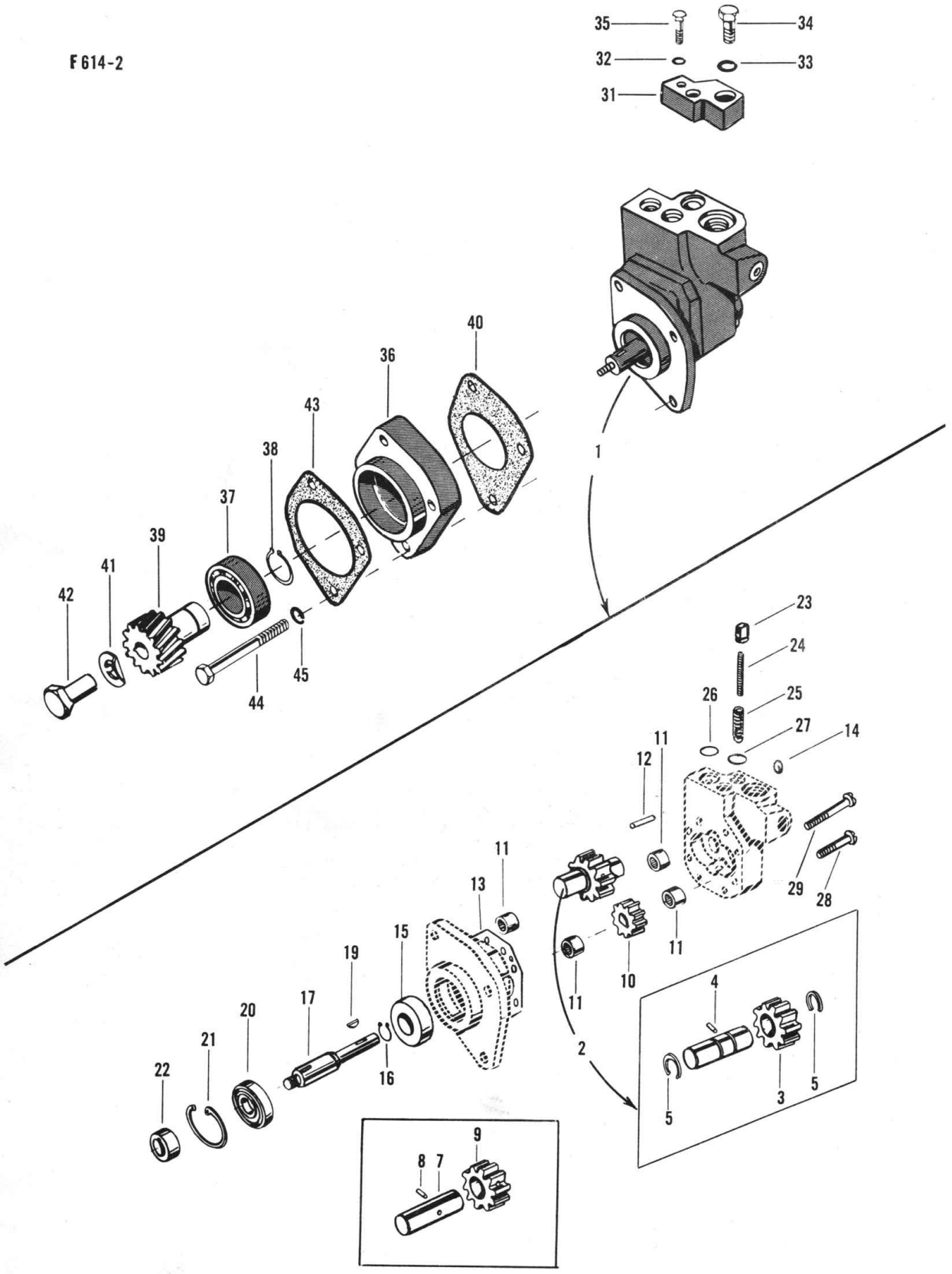
DIESEL

(USED TRACTOR SERIAL NO. 685996 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	188 772 M92	Pump Assembly, Hydraulic (Wooster #PR2-3EZ5-2-R-01)	1
2	1 019 225 M91	Body Assembly, Pump, Rear	1
3	1 019 226 M1	Body, Pump, Front	1
4	1 019 227 M1	Gear, Drive, w/Shaft	1
5 (A,B)	1 019 229 M1	Seal, Oil (3/4 x 1-1/4 x 1/4")	1
6 (A,B)	1 019 230 M1	Seal, Front Body (7/64 x 4-37/64")	1
7 (A,B)	1 019 231 M1	Seal, Pump Body (2-5/16" ID x 3/32")	2
8	1 019 228 M1	Gear, Driven	1
9 (A)	1 019 232 M1	Bearing, Pump	4
10 (A,B)	831 519 M1	"O" Ring (7/16 x 9/16 x 1/16")	1
11 (A,B)	831 285 M1	"O" Ring (5/8 x 3/4 x 1/16")	1
12 (A)	354 465 X1	Ball, Relief Valve (1/4" Dia.)	1
13	1 019 240 M1	Retainer, Ball	1
14 (A)	1 019 241 M1	Spring, Relief Valve	1
15 (A)	1 026 219 M1	Retainer, Relief Valve (#10 - 32 x 1" Flat Pt., Sckt. Hd.)	1
16 (A)	14 281 X	Plug (11/16" Expansion)	1
17 (A)	354 269 X1	Bolt, Pump Body (3/8 x 2-1/2" NC, Hex.)	4
18 (A)	355 465 X1	Key, Pinion Gear (1/8 x 5/8" Woodruff)	1
19	1 019 238 M2	Reservoir	1
20 (A,B)	359 105 X1	"O" Ring, Reservoir (4-1/8 x 4-3/8 x 1/8")	1
21	1 019 235 M91	Element Assembly, Pump Filter	1
22	1 019 233 M1	Retainer, Reservoir	1
23	1 019 234 M1	Stud, Center (3/8" NC x 3-13/16")	1
24 (A)	1 019 236 M1	Cup, Spring Seating	1
25	1 019 237 M1	Spring, Element	1
26	763 786 M1	Pin, Spring Retaining (9/64 x 3/4" Roll)	1
27	11 930 X	Nut, Reservoir Retaining (3/8" NC, Special)	1
28 (A)	1 019 239 M1	Seal, Reservoir Retaining Nut	1
29	375 181 X1	Plug, Reservoir (3/8" P.T., Sq. Hd.)	1
30	1 032 251 M1	Body, Pump	1
	835 606 M91	Seal Kit, Pump Repair (Incls. all Items Marked "B")	1
	835 607 M91	Repair Kit, Hydraulic Pump (Incls. all Items Marked "A")	1
31	189 606 M1	Pinion, Pump Drive	1
32 (A,B)	355 791 X1	Ring, Snap, Drive Pinion Retaining	1
33	731 058 M1	Gasket, Pump	1
34	355 619 X1	Spacer, Pump Bolts (3/8 x 7/8 x 3/32")	2
35	353 554 X1	Bolt (3/8 x 3" NF, Hex.)	3
36	353 434 X1	Washer (3/8" Lock)	3
37	353 431 X1	Nut (3/8" NF, Hex.)	3
42	190 804 M92	Line Assembly, Pressure (Hose Section 17" Long)	1
43	190 552 M1	"O" Ring, Pressure Line	2
44	190 805 M91	Line Assembly, Return (Hose Section 18" Long)	1
45	190 552 M1	"O" Ring, Return Line	2
46	190 810 M1	Pad, Line Support (for Tube Section)	1
47	190 607 M1	Clamp, Line (for Hose Section)	1

POWER STEERING PUMP

F 614-2



POWER STEERING PUMP

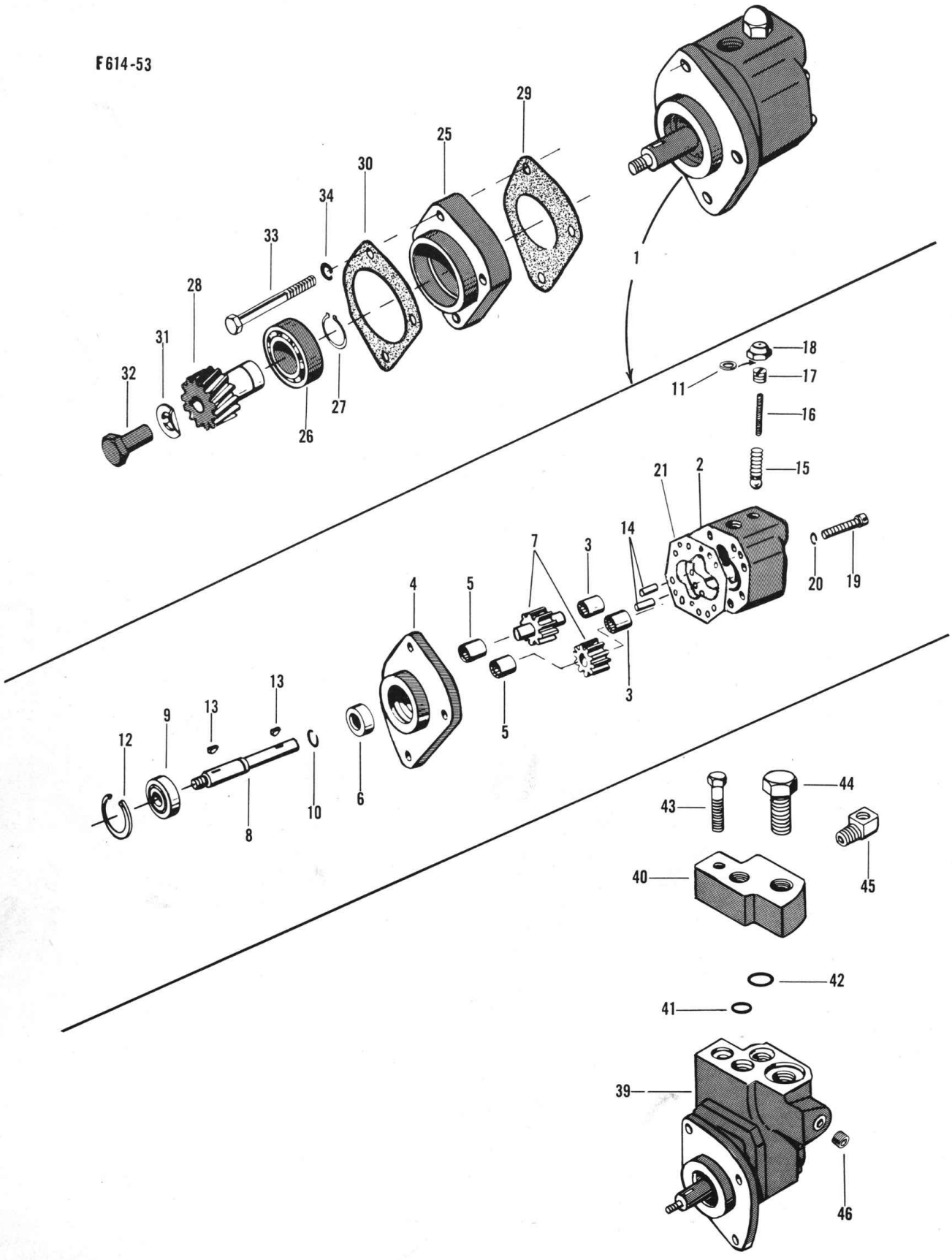
DIESEL

(USED PRIOR TO TRACTOR SERIAL NUMBER 685996)

Ref. No.	Part No.	Description	No. Req. M92	No. Req. M91
1	187 478 M92	Pump Assembly (Barnes #GC-1160-A-17-WA)	1	-
1	187 478 M91	Pump Assembly (Barnes #GC-1160-A-DA-5)(Order 187 478 M92)	-	1
2	1 018 841 M91	Shaft Assembly, Idler Gear	1	-
3	1 018 836 M1	Gear, Follow (9/16" Wide)	1	-
4	1 025 562 M1	Pin, Shear, Gear to Shaft (7/32" Long)	1	-
5	1 017 322 M1	Ring, Snap, Gear Retaining	2	-
2 (A)	1 018 443 M91	Shaft Assembly, Idler Gear	-	1
3	1 751 623 M1	Gear, Follow (1/2" Wide)	-	1
4	1 025 562 M1	Pin, Shear, Gear to Shaft (7/32" Long)	-	1
5	1 017 322 M1	Ring, Snap, Gear Retaining	-	1
7 (B)	1 751 627 M1	Shaft, Idler Gear	-	1
8 (C)	1 751 626 M1	Pin, Shear, Gear to Shaft (3/8" Long)	-	1
9 (D)	1 022 847 M1	Gear, Follow (1/2" Wide with Shear Pin Hole)	-	1
10	1 018 836 M1	Gear, Leading (9/16" Wide)	1	-
10	1 751 623 M1	Gear, Leading (1/2" Wide)	-	1
11	1 751 706 M1	Bearing, Needle	4	4
12	1 751 650 M1	Pin, Locating (3/16 x 1")	2	2
13	1 018 840 M1	Gasket, Housing to Body (.0005" Thick)	1	1
14	14 281 X	Plug, Body (11/16" Expansion)	2	2
15	1 751 651 M1	Seal, Oil (7/16 x 1 x 3/8")	1	1
16	355 791 X1	Ring, Snap, Bearing to Shaft	1	1
17	1 018 835 M1	Shaft, Pump Drive	1	-
17	1 751 622 M1	Shaft, Pump Drive	-	1
19	1 501 333 M1	Key, Leading Gear to Shaft (1/8 x 1/2" Woodruff)	1	1
20	13 851 X	Bearing, Ball, Drive Shaft	1	1
21	355 602 X1	Ring, Snap, Bearing to Housing	1	1
22	1 017 348 M1	Spacer, Drive Shaft (without Keyway)	1	-
22	1 751 813 M1	Spacer, Drive Shaft (with Keyway)	-	1
23	1 020 997 M1	Screw, Adjusting	1	1
24	1 751 630 M1	Spring, Adjusting Screw	1	1
25	1 751 631 M91	Spring Assembly, with Ball	1	1
26	831 585 M1	"O" Ring (9/16 x 3/4 x 7/64")	1	1
27	195 562 M1	"O" Ring (7/16 x 5/8 x 7/64")	1	1
28	1 025 709 M1	Screw (1/4 x 1-3/4" NC, Fill. Hd.)	2	2
29	1 751 770 M1	Screw (1/4 x 2" NC, Fill. Hd.)	6	6
31	187 460 M1	Plate, Porting	1	1
32	195 562 M1	"O" Ring (7/16 x 5/8 x 7/64")	1	1
33	831 585 M1	"O" Ring (9/16 x 3/4 x 7/64")	1	1
34	354 750 X1	Bolt (3/4 x 1-3/8" NF, Hex.)	1	1
35	353 683 X1	Bolt (5/16 x 1-1/2" NC, Hex.)	1	1
36	828 451 M1	Adapter, Pump to Block	1	1
37	828 456 M1	Bearing, Ball, Pump Drive Shaft	1	1
38	828 455 M1	Ring, Snap, Bearing Retaining	1	1
39	828 452 M1	Gear, Pump Drive	1	1
40	828 458 M1	Gasket, Pump to Adapter	1	1
41	828 457 M1	Washer, Nut Lock	1	1
42	187 501 M1	Nut, Lock, Pump Drive Gear	1	1
43	731 058 M1	Gasket, Adapter to Block	1	1
44	354 630 X1	Bolt (3/8 x 3-3/4" NC, Hex.)	3	3
45	353 434 X1	Washer (3/8" Lock)	3	3

NOTES:
(A) Used on Late Model 187 478 M91 Pumps. Gear is retained on Shaft by 2 Snap Rings.
(B) Used on Early Model 187 478 M91 Pumps. Shaft has no Snap Ring Grooves. Gear is retained by Shear Pin. For repairs Order 1 018 443 M91, Shaft Assembly.
(C) Used with 1 751 627 M1 Shaft.
(D) Used with 1 751 627 M1 Shaft. For repairs Order 1 018 443 M91, Shaft Assembly.

POWER STEERING PUMP



POWER STEERING PUMP

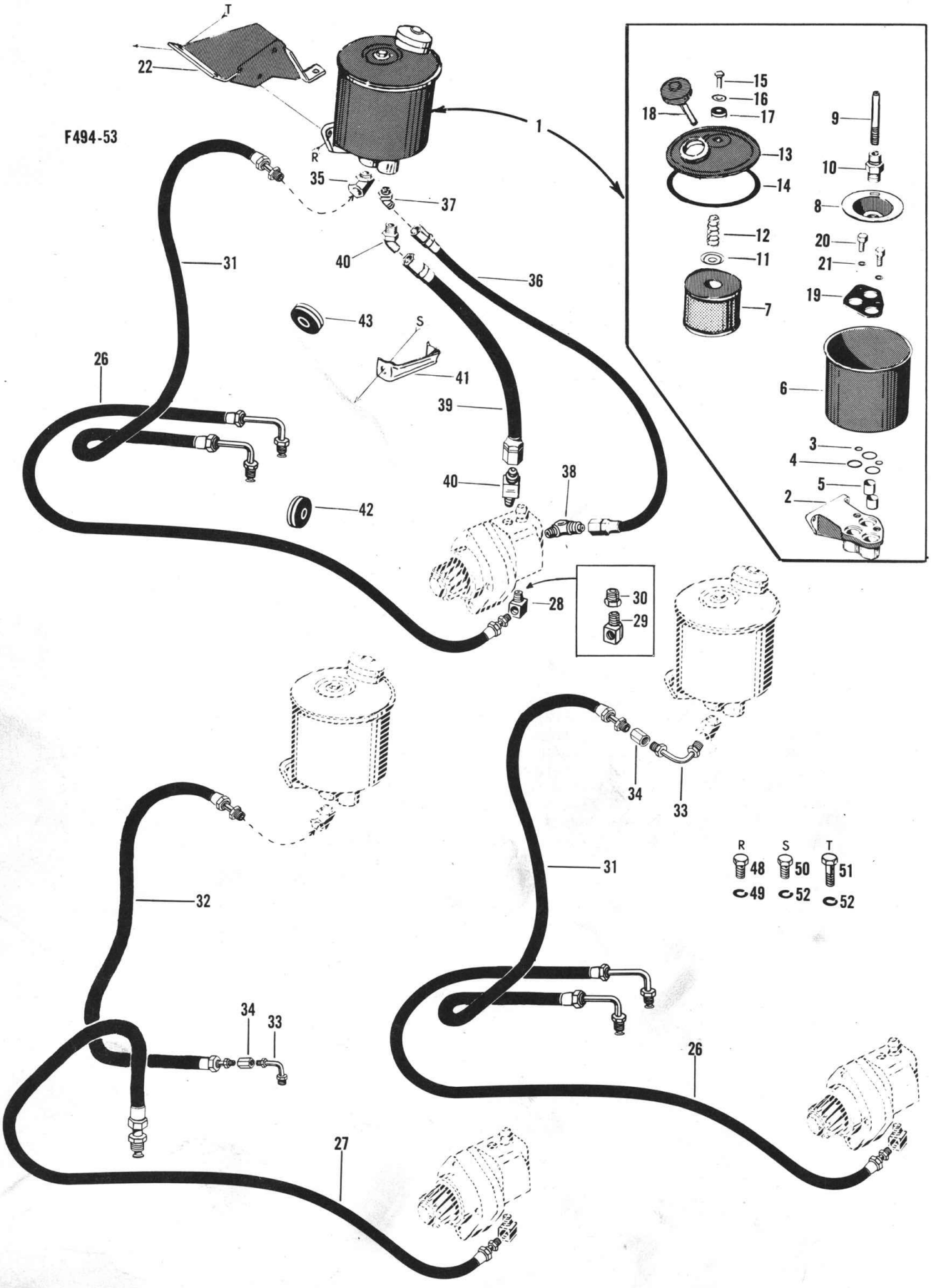
DIESEL

(USED PRIOR TO TRACTOR SERIAL NO. 685 996)

HOBOURN-EATON

Ref. No.	Part No.	Description	No. Req.
1	828 232 M92	Pump Assembly, Hydraulic (Hobourn-Eaton #HD-46942)(Order 835 515 M91)	1
2	1 850 961 M91	Body Assembly, Pump	1
3	1 850 964 M1	Bearing, Needle	2
4	1 850 978 M91	Cover Assembly, Pump Body	1
5	1 850 964 M1	Bearing, Needle	2
6	1 850 980 M1	Seal, Oil	1
7	1 851 546 M1	Gear Set, Matched	1
8	1 850 983 M1	Shaft, Pump Drive	1
9	1 850 982 M1	Bearing, Ball, Drive Shaft	1
10	829 461 M1	Ring, Snap, Bearing Retaining (Small)	1
11	1 850 962 M1	Washer (1/2 x 5/8 x 3/32" Copper)	1
12	1 850 985 M1	Ring, Snap, Bearing Retaining (Large)	1
13	2 957 X	Key, Drive and Driven Gear (1/8 x 1/2" Woodruff)	2
14	1 850 971 M1	Pin, Pump Cover to Body (3/16 x 31/32")	2
15	1 850 975 M91	Spring Assembly, Relief Valve,w/Ball	1
16	1 852 158 M1	Spring, Relief Valve, Inner	1
17	1 850 976 M1	Screw, Pressure Adjusting Relief Valve	1
18	1 850 977 M1	Cap, Relief Valve	1
19	355 038 X1	Screw, Body (1/4 x 1-5/8" NC, Sltd. Hex. Hd.)	8
20	353 441 X1	Washer (1/4" Lock)	8
21	1 852 156 M1	Gasket, Body to Cover	1
25	828 451 M1	Adapter, Pump to Block	1
26	828 456 M1	Bearing, Ball, Pump Drive Shaft	1
27	828 455 M1	Ring, Snap, Bearing Retaining	1
28	828 452 M1	Gear, Drive	1
29	828 458 M1	Gasket, Pump to Adapter	1
30	731 058 M1	Gasket, Adapter to Block	1
31	828 457 M1	Washer, Nut Lock	1
32	828 453 M1	Nut, Lock, Pump Drive Gear	1
33	354 630 X1	Bolt (3/8 x 3-3/4" NC, Hex.)	1
34	353 434 X1	Washer (3/8" Lock)	3
	835 515 M91	Pump Conversion Kit (Hobourn-Eaton to Barnes)	1
39	187 478 M92	Pump Assembly, Hydraulic (Barnes) (See Page 201)	1
40	187 460 M1	Plate, Porting	1
41	195 562 M1	"O" Ring (7/16 x 5/8 x 7/64")	1
42	831 585 M1	"O" Ring (9/16 x 3/4 x 7/64")	1
43	353 683 X1	Bolt (5/16 x 1-1/2" NF, Hex.)	1
44	354 750 X1	Bolt (3/4 x 1-3/8" NF, Hex.)	1
45	187 471 M1	Elbow, Pump Outlet	1
46	356 040 X1	Plug, Body	1

POWER STEERING LINES AND RESERVOIR



POWER STEERING LINES AND RESERVOIR

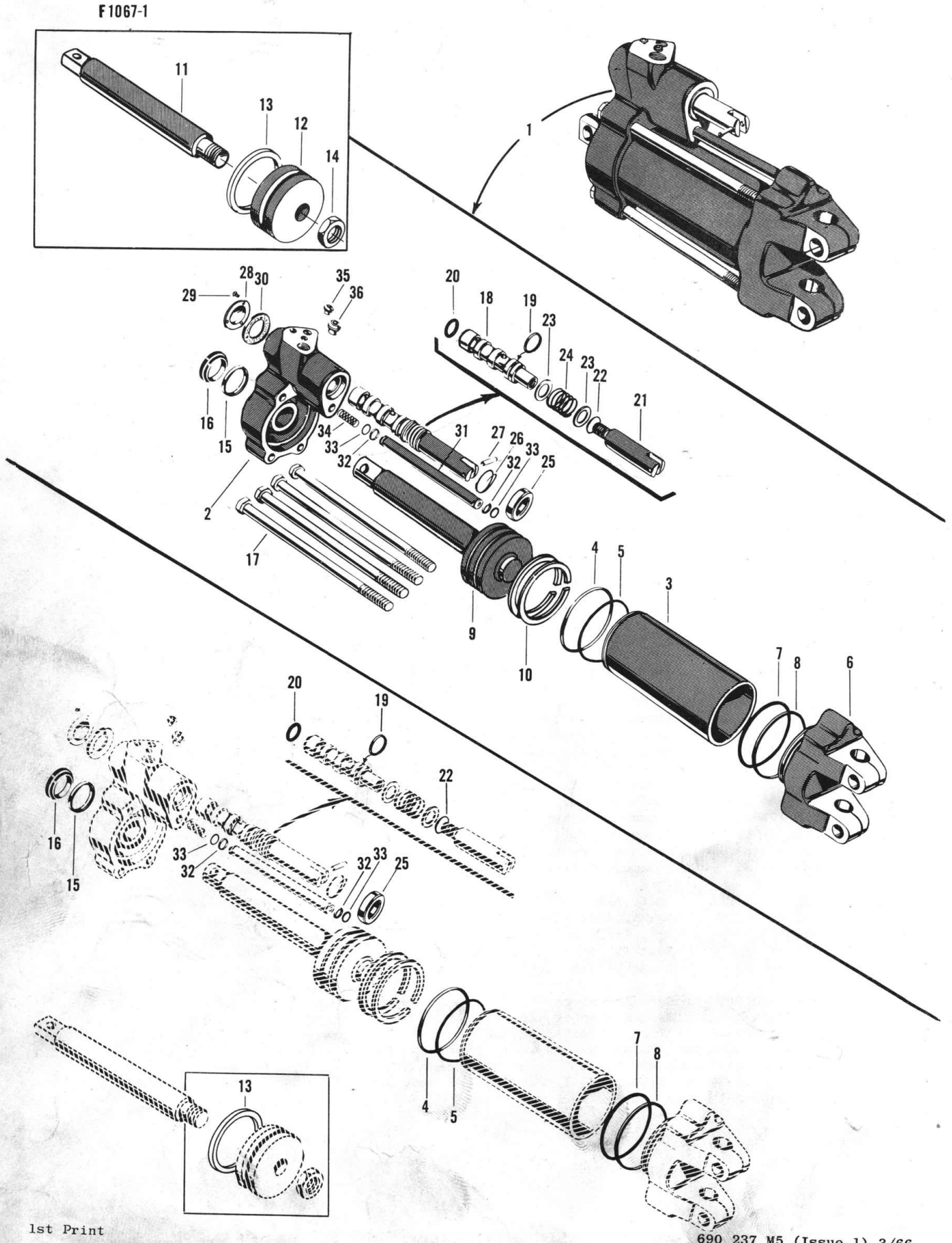
DIESEL

(USED PRIOR TO TRACTOR SERIAL NO. 685996)

Ref. No.	Part No.	Description	No. Req.
1	828 289 M91	Reservoir Assembly, Hydraulic Oil	1
2	828 290 M1	Base, Reservoir	1
3	1 850 959 M1	"O" Ring, Base to Reservoir (11/32 x 29/64 x 1/16")	2
4	1 850 957 M1	"O" Ring, Base to Reservoir (53/64 x 15/16 x 3/32")	3
5	1 850 958 M1	Retainer, "O" Ring	2
6	1 850 956 M1	Reservoir	1
7	1 850 944 M1	Element, Filter	1
8	1 850 947 M1	Support, Element	1
9	1 850 945 M1	Tube, Reservoir Pipe	1
10	1 850 946 M1	Stud, Reservoir	1
11	1 850 943 M1	Cap, Element End	1
12	1 850 942 M1	Spring, Element	1
13	1 850 954 M91	Cover Assembly, Reservoir	1
14	1 850 955 M1	Gasket, Cover to Reservoir	1
15	1 850 950 M1	Bolt, Cover to Reservoir Pipe	1
16	1 850 951 M1	Washer, Cover Bolt	1
17	1 850 952 M1	Grommet, Cover Bolt	1
18	1 850 949 M1	Gauge Assembly, Oil Filler	1
19	1 850 948 M1	Plate, Reinforcement	1
20	353 667 X1	Bolt, Plate to Base (1/4 x 3/4" NC, Hex.)	2
21	353 441 X1	Washer (1/4" Lock)	2
22	186 647 M93	Support Assembly, Radiator and Reservoir	1
26 (A)	188 074 M92	Hose Assembly, Pressure, Pump to Cylinder (43-1/2" Long)	1
26 (B)	188 074 M91	Hose Assembly, Pressure, Pump to Cylinder (41-1/2" Long) (Order 188 074 M92)	1
27 (C)	183 052 M91	Hose Assembly, Pressure, Pump to Cylinder (47" Long)	1
28 (D)	187 471 M1	Elbow, Pump Outlet (1/4" P.T. x 7/16" - 24, 90°)	1
28 (E)	186 695 M1	Elbow, Pump Outlet (3/8" P.T. x 7/16" - 24, 90°)	1
29 (F)	16 993 X	Elbow, Pump Outlet (1/8" P.T. x 7/16" - 24, 90°)	1
30 (F)	359 729 X1	Bushing, Reducing (3/8" P.T. to 1/8" P.T.)	1
31 (A)	186 659 M93	Hose Assembly, Return, Cylinder to Reservoir (30" Long)	1
31 (B)	186 659 M92	Hose Assembly, Return, Cylinder to Reservoir (27-1/2" Long) (Order 186 659 M93)	1
32 (C)	186 659 M91	Hose Assembly, Return, Cylinder to Reservoir (30-3/4" Long) (Order 186 659 M93)	1
33	188 692 M91	Adapter Assembly (Used w/186 659 M92 and 186 659 M91) (See Illustration for Usage)	1
34	354 910 X1	Union (Used w/188 692 M91 Adapter)	1
35	17 183 X	Elbow, Return Line	1
	359 730 X1	Reducer, Elbow	1
36	186 657 M91	Hose Assembly, Reservoir to Pump Relief Valve (21-1/2" Long)	1
37	186 694 M1	Elbow, Relief Valve Line (in Reservoir)	1
38	828 462 M1	Elbow, Relief Valve Line (in Pump)	1
39	186 658 M91	Hose Assembly, Return, Pump to Reservoir (19" Long)	1
40	828 461 M1	Elbow, Return Line	2
41	828 731 M1	Clamp, Hose	1
42	832 130 M1	Grommet, Pressure Hose (5/8 x 1-1/2 x 1/4")	1
43	832 129 M1	Grommet, Return Hose (9/16 x 1-9/32 x 3/8")	1
48	353 666 X1	Bolt (1/4 x 5/8" NC, Hex.)	x
49	353 441 X1	Washer (1/4" Lock)	x
50	353 516 X1	Bolt (5/16 x 5/8" NF, Hex.)	x
51	353 517 X1	Bolt (5/16 x 3/4" NF, Hex.)	x
52	353 446 X1	Washer (5/16" Lock)	x

Notes: (A) - Used Tractor Serial Numbers 677 170 to 685 996.
(B) - Used Tractor Serial Numbers 675 402 to 677 170.
(C) - Used prior to Tractor Serial Number 675 402.
(D) - Used with 187 478 M91 and M92 Pump (See Page 201)
(E) - Used with some 828 232 M92 Pumps (See Page 203). For repairs order (1) 16 993 X, Elbow and (1) 359 729 X1, Bushing.
(F) - Used with some 828 232 M92 Pumps (See Page 203).

POWER STEERING CYLINDER



POWER STEERING CYLINDER

BENTON

Ref. No.	Part No.	Description	No. Req.	
1 (A)	188 740 M92	Cylinder Assembly, with Valve (Benton #9100)	1	-
1 (B)	184 871 M91	Cylinder Assembly, with Valve (Benton #9000)	-	1
2	1 018 834 M1	Body, Cylinder (9/16"- 18, Inlet and Outlet)	1	-
2	1 754 203 M1	Body, Cylinder (7/16"-24 Inlet, 5/8"-13 Outlet)	-	1
3	1 754 208 M1	Tube, Cylinder	1	1
4 (F)	831 722 M1	"O" Ring, Tube, Body End	1	1
5 (F)	831 724 M1	Washer, Back Up, Body End	1	1
6	1 754 212 M1	Cap, Cylinder	1	1
7 (F)	831 721 M1	"O" Ring, Tube, Cap End	1	1
8 (F)	831 723 M1	Washer, Back Up, Cap End	1	1
9 (C)	1 026 000 M91	Rod Assembly, Piston	1	1
10	180 898 M1	Ring, Piston	2	2
11 (D)	1 754 210 M1	Rod, Piston	1	1
12 (D)	1 754 209 M1	Piston	1	1
13 (E,F)	1 754 192 M1	Ring, Piston	1	1
14 (E)	353 436 X1	Nut, Piston to Rod (3/4" NF, Half Hex.)	1	1
15 (F)	1 754 191 M1	Ring, Piston Rod	1	1
16 (F)	1 752 649 M1	Seal, Body to Rod	1	1
17	1 754 194 M1	Bolt, Cylinder (3/8 x 8" NC Hex.)	4	4
18	1 754 205 M1	Valve	1	1
19 (F)	831 585 M1	"O" Ring, Valve (9/16" ID x 3/4" OD)	1	1
20 (F)	851 134 M1	"O" Ring, Valve (3/4" ID x 15/16" OD)	1	1
21	1 754 206 M1	Rod, Valve	1	1
22 (F)	1 001 833 M1	"O" Ring, Rod (1/4" ID x 3/8" OD)	1	1
23	1 754 188 M1	Washer, Valve Spring (39/64 x 27/32 x 1/16")	2	2
24	1 754 189 M1	Spring, Valve	1	1
25 (F)	832 417 M1	Seal, Valve Rod	1	1
26	359 524 X1	Ring, Snap	1	1
27	354 371 X1	Pin, Valve Rod (5/32 x 11/16" Spirol)	1	1
28	1 754 207 M1	Cap, Valve	1	1
29	359 551 X1	Screw, Drive Cap to Body	3	3
30	1 754 190 M1	Seal, Cap (Felt)	1	1
31	1 754 211 M1	Tube, Passage	1	1
32 (F)	1 001 833 M1	"O" Ring, Tube (1/4" ID x 3/8" OD)	2	2
33 (F)	831 725 M1	Washer, Back-Up	2	2
34	1 754 193 M1	Spring, Passage Tube	1	1
35	1 752 482 M1	Seat, Valve (Small)	-	1
36	1 754 204 M1	Seat, Valve (Large)	-	1
	830 860 M92	Repair Kit, Cylinder (Includes Items Marked "F")	1	1

NOTES:
(A) Used Diesel Tractors Serial Number 685 996 and Up.
(B) Used Diesel Tractors Prior to Serial Number 685 996 and on all Gas and L.P. Tractors.
(C) Used Tractor Serial Number 704 347 and Up.
(D) Used prior to Tractor Serial Number 704 347. For repairs Order 1 026 000 M91, Rod Assembly.
(E) Used prior to Tractor Serial Number 704 347.

POWER STEERING CYLINDER

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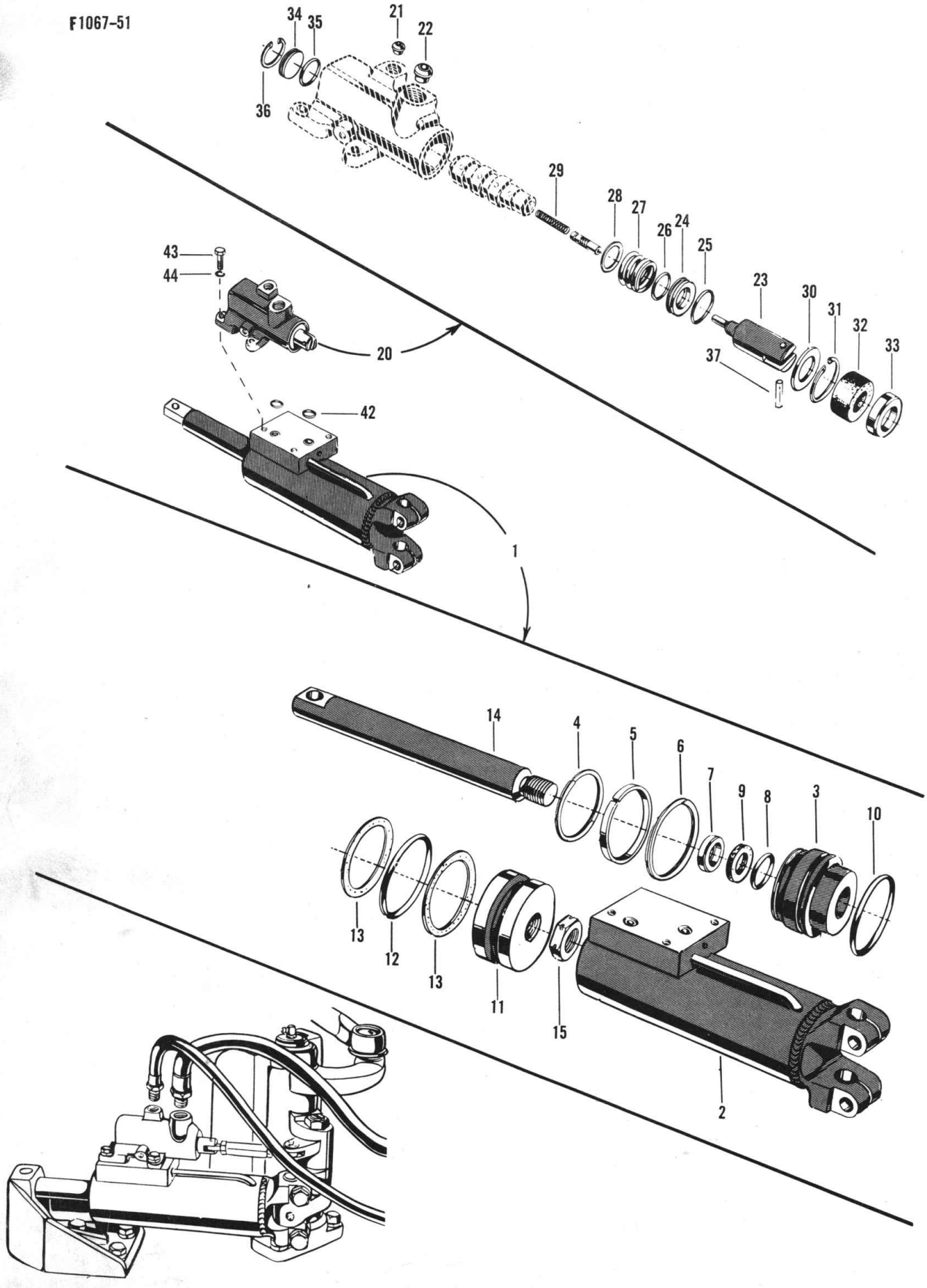


POWER STEERING CYLINDER

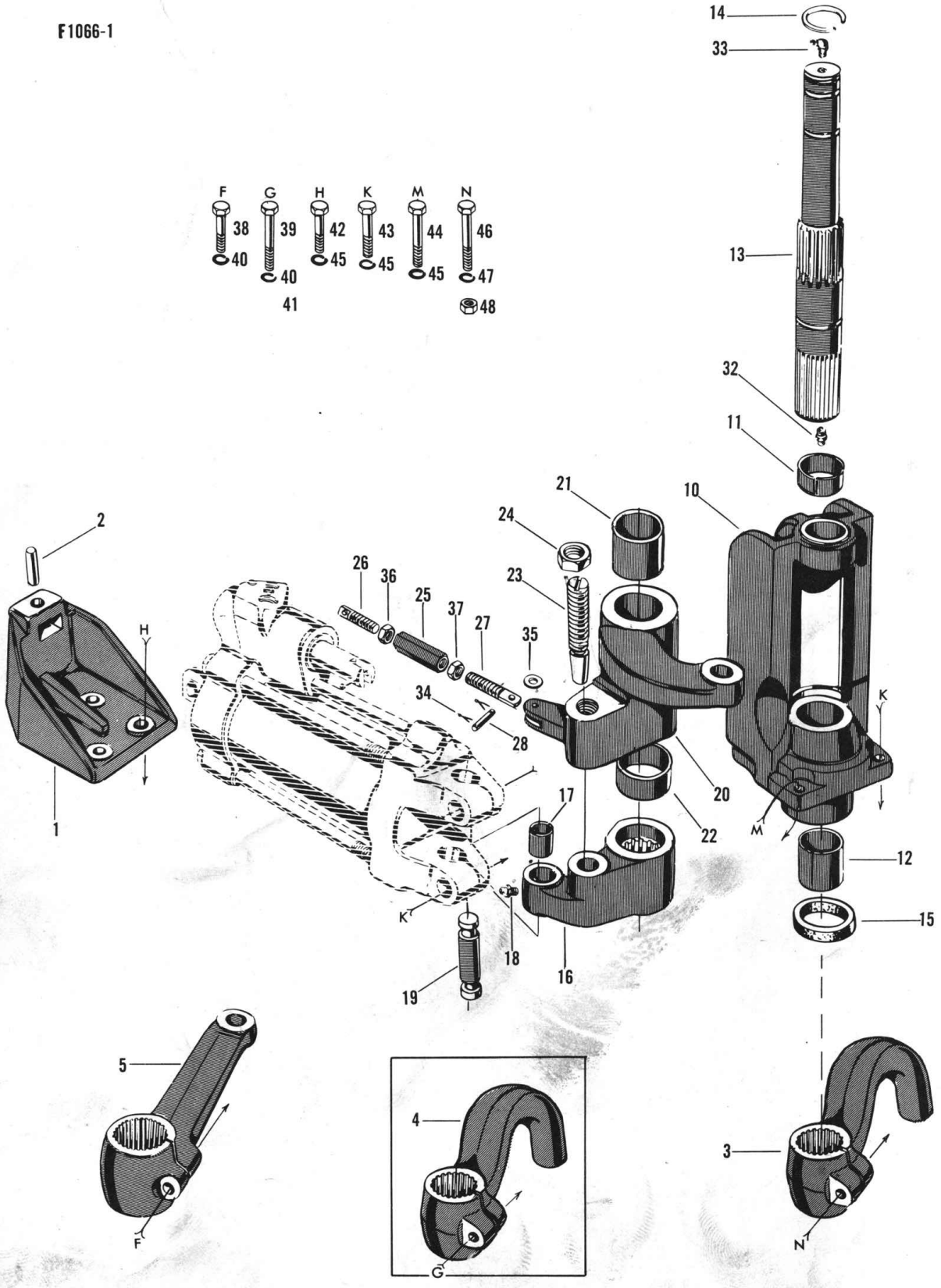
BRUNING

Ref. No.	Part No.	Description	No. Req.
1 (A)	183 074 M91	Cylinder Assembly (Bruning #B5510-12)	1
2	1 752 640 M91	Tube Assembly, Cylinder	1
3	1 752 648 M1	Head, Tube	1
4	1 752 658 M1	Ring, Spacer Retaining	1
5	1 752 652 M1	Spacer, Head	1
6	1 752 657 M1	Ring, Head Retaining	1
7	1 752 649 M1	Seal, Wiper, Piston Rod	1
8	851 145 M1	"O" Ring, Head (Inner)	1
9	1 024 945 M1	Washer, Head (1 x 1-1/4 x 1/16" Leather)	1
10	835 130 M1	"O" Ring, Head (Outer)	1
11	1 752 651 M1	Piston	1
12	835 126 M1	"O" Ring, Piston	1
13	1 024 946 M1	Washer, Piston (1-7/8 x 2-1/2 x 3/32" Leather)	2
14	1 752 646 M1	Rod, Piston	1
15	353 436 X1	Nut, Piston Retaining (3/4" NF, Half Hex.)	1
20 (A)	183 073 M91	Valve Assembly (Saginaw #5684287)	1
21	1 752 482 M1	Connector (Small)	1
22	1 752 483 M1	Connector (Large)	1
23	1 752 501 M1	Link, Valve	1
24	1 752 498 M1	Guide, Valve	1
25	1 752 505 M1	"O" Ring, Guide (Outer)	1
26	1 752 506 M1	"O" Ring, Guide (Inner)	1
27	1 752 487 M1	Spring, Valve (Outer)	1
28	1 752 486 M1	Washer, Spring Thrust (5/8 x 27/32 x 3/64")	1
29	1 752 497 M1	Spring, Valve (Inner)	1
30	1 752 484 M1	Washer, Guide Thrust (3/4 x 1-1/4 x 5/64")	1
31	355 845 X1	Ring, Snap, Spool Retaining	1
32	1 752 494 M1	Seal, Dust, Valve	1
33	1 752 499 M1	Retainer, Valve Dust Seal	1
34	1 752 495 M1	Plug, Valve End	1
35	196 174 M1	"O" Ring, Plug	1
36	355 649 X1	Ring, Snap, Plug Retaining	1
37	1 752 485 M1	Pin, Valve Link (5/32 x 41/64")	1
42	363 704 X1	"O" Ring, Valve to Cylinder	2
43	353 677 X1	Bolt, Valve to Cylinder (5/16 x 3/4" NC, Hex.)	3
44	353 446 X1	Washer (5/16" Lock)	3

Note: (A) - Used prior to Tractor Serial No. (Diesel) 685996. Used on all Gas and L.P. Tractors; See page 207 for alternate Power Steering Cylinder.

POWER STEERING CYLINDER SUPPORTS

F1066-1

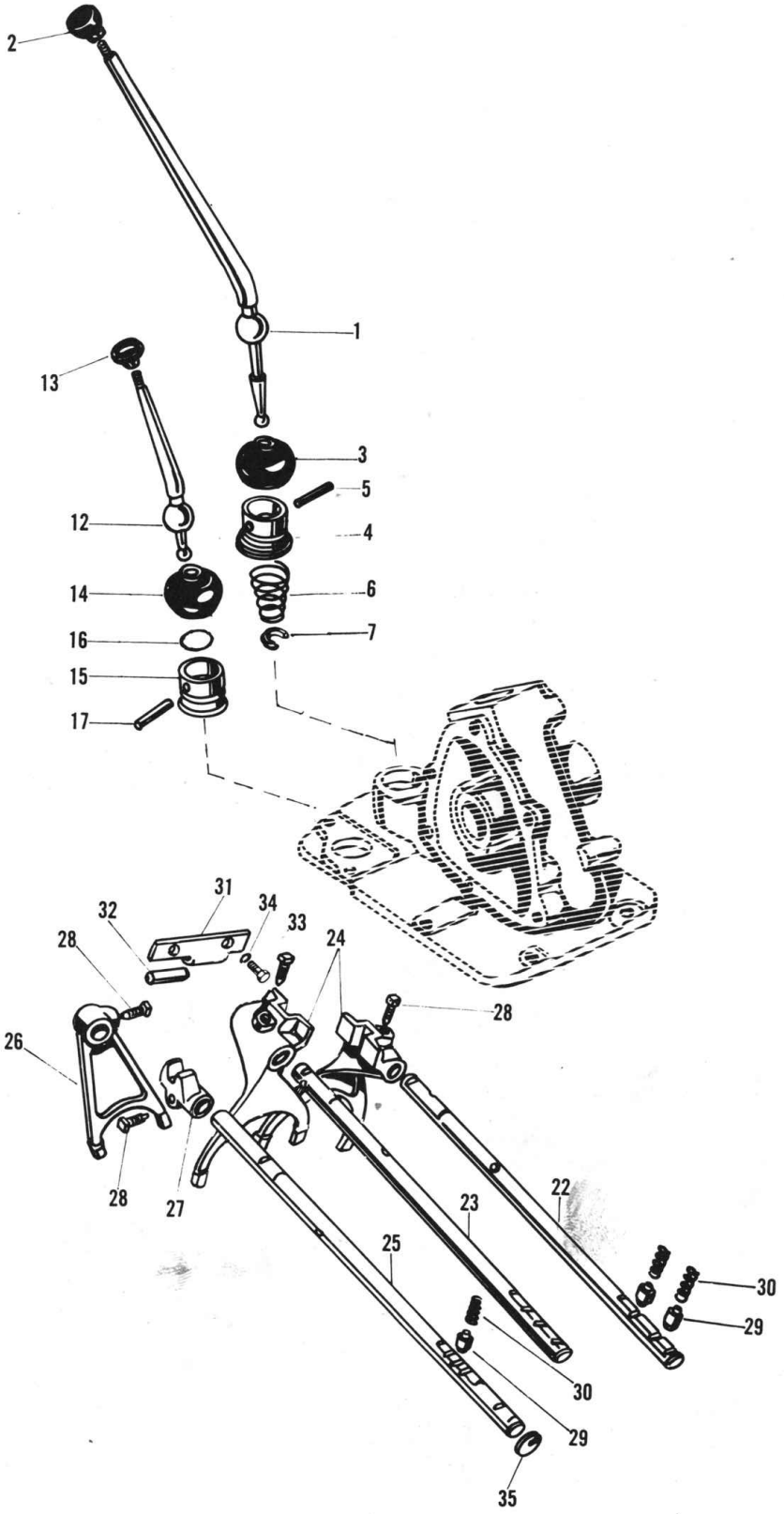


Ref. No.	Part No.	Description	No. Req.
1 (A)	187 779 M1	Support, Cylinder	1
1 (B)	182 728 M1	Support, Cylinder	1
2	182 970 M3	Pin, Cylinder to Support (9/16 x 2-1/4")	1
3 (C)	188 550 M2	Arm, Steering (Hi and Lo Clearance)	1
4 (D)	186 152 M1	Arm, Steering (Hi and Lo Clearance)	1
4 (E)	182 733 M1	Arm, Steering (Hi and Lo Clearance)	1
5	182 734 M1	Arm, Steering (Tricycle Twin)	1
10	182 729 M91	Pedestal Assembly	1
11	196 077 M1	Bushing, Upper (1-1/2 x 1-5/8 x 1")	1
12	196 048 M1	Bushing, Lower (1-7/8 x 2-1/16 x 2-1/8")	1
13	182 730 M2	Shaft, Pedestal	1
14	195 222 M1	Ring, Snap, Shaft Retaining	1
15	196 079 M1	Seal, Dust (1-27/32 x 2-15/32 x 3/8" Felt)	1
16	182 726 M93	Arm Assembly, Cylinder Connecting	1
17	190 560 M1	Bushing (3/4 x 7/8 x 1-1/4")	1
18	353 112 X1	Grease Fitting (1/4" - 28, 45°)	1
19	183 001 M1	Pin, Cylinder to Arm	1
20	182 727 M91	Arm Assembly, Valve Connecting	1
21	196 061 M1	Bushing, Upper (1-1/2 x 1-5/8 x 1-3/8")	1
22	196 077 M1	Bushing, Lower (1-1/2 x 1-5/8 x 1")	1
23	182 725 M1	Screw, Valve Adjusting	1
24	353 436 X1	Nut, Lock, Adjusting Screw (3/4" NF, Half Hex.)	1
25	183 079 M1	Sleeve, Valve Adjusting	1
26	182 723 M1	End, Valve Link Sleeve (5/16" NC)	1
27	182 724 M1	End, Valve Link Sleeve (3/8" NF)	1
28	188 909 M1	Pin, Clevis (3/16 x 13/16")	1
32	13 222 X	Grease Fitting (1/8" P.T., Str.)	x
33	13 533 X	Grease Fitting (1/8" P.T., 90°)	x
34	354 039 X1	Cotter Pin (1/16 x 1/2")	x
35	353 753 X1	Washer (#10 Flat)	x
36	375 108 X1	Nut (5/16" NC, Half Hex.)	x
37	353 430 X1	Nut (3/8" NF, Half Hex.)	x
38	353 702 X1	Bolt (7/16 x 1-1/2" NC, Hex.)	x
39	353 572 X1	Bolt (7/16 x 2-5/8" NF, Hex.)	x
40	353 432 X1	Washer (7/16" Lock)	x
41	353 426 X1	Nut (7/16" NF, Hex.)	x
42 (A)	832 566 M1	Bolt (1/2 x 1-1/2" NC, Hex., Special)	x
42 (F)	353 724 X1	Bolt (1/2 x 1-1/2" NC, Hex.)	x
43	354 278 X1	Bolt (1/2 x 1-5/8" NC, Hex.)	x
44	354 649 X1	Bolt (1/2 x 2-1/4" NC, Hex.)	x
45	353 439 X1	Washer (1/2" Lock)	x
46	353 622 X1	Bolt (5/8 x 2-7/8" NF, Hex.)	x
47	353 433 X1	Washer (5/8" Lock)	x
48	353 427 X1	Nut (5/8" NF, Hex.)	x

NOTES:
(A) Used Tractor Serial Number 685 993 and Up.
(B) Used prior to Tractor Serial Number 685 993. For repairs Order (1) 187 779 M1, Support and (4) 832 566 M1, Bolts.
(C) Used Gas, L.P. and Diesel Tractor Serial Number 678 785 and Up. Arm requires 5/8" Diameter Bolt.
(D) Used Gas and L.P. Tractor Serial Numbers 670 012 to 678 785. Used Diesel Tractors prior to Serial Number 678 785. Arm requires 7/16" Dia. Bolt. For Repairs order (1) 188 550 M2, (1) 353 622 X1 (1) 353 427 X1 and (1) 353 433 X1.
(E) Used Gas and L.P. Tractors prior to Serial Number 670 012. Arm requires 7/16" Dia. Bolt .
(F) Used prior to Tractor Serial Number 685 993.

GEAR SHIFT

F670-1

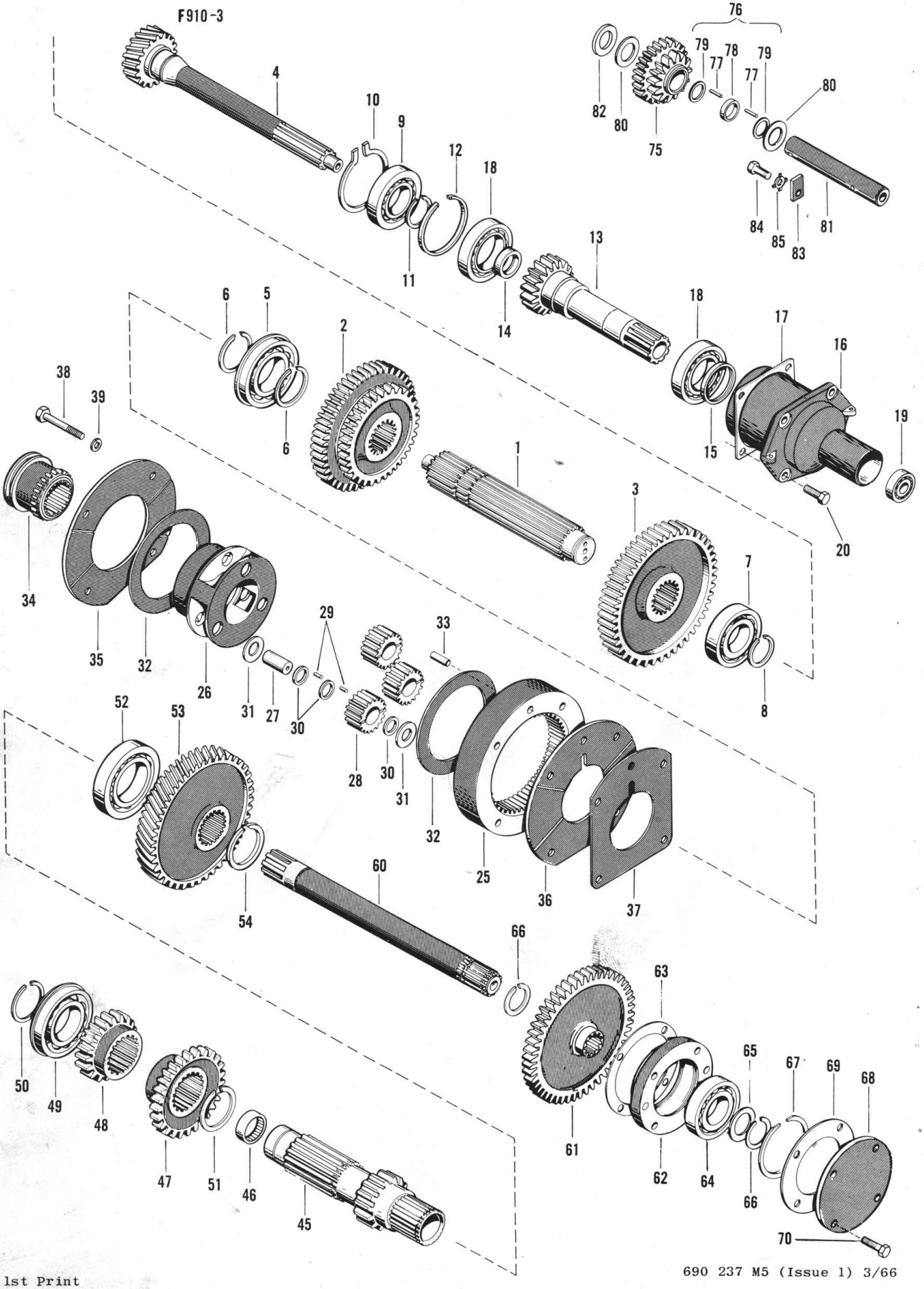


GEAR SHIFT

REGULAR AND MULTI-POWER TRANSMISSION

Ref. No.	Part No.	Description	No. Req.
1	185 805 M1	Lever, Gear Shift	1
2	180 006 M1	Knob, Gear Shift Lever	1
3	~~180 579 M3~~ 520.858.M1	Cover, Gear Shift Lever	1
4	180 447 M1	Cup, Gear Shift Lever	1
5	180 581 M1	Pin, Gear Shift Lever Retaining	1
6	192 007 M1	Spring, Gear Shift Lever	1
7	180 583 M1	Seat, Gear Shift Lever Spring	1
12	185 804 M1	Lever, Planetary Gear Shift (Dual Range)	1
13	180 006 M1	Knob, Planetary Gear Shift Lever	1
14	180 579 M3	Cover, Planetary Gear Shift Lever	1
15 (A)	189 599 M1	Cup, Planetary Gear Shift Lever	1
15 (B)	180 447 M1	Cup, Planetary Gear Shift Lever	1
16 (A)	831 527 M1	"O" Ring, Planetary Gear Shift Lever Cup	1
17	180 581 M1	Pin, Planetary Gear Shift Lever Retaining	1
22	180 438 M2	Rail, Shifter, Intermediate and High	1
23	180 442 M2	Rail, Shifter, Low and Reverse	1
24	180 437 M1	Fork, Shifter, Low and Reverse, Intermediate and High	2
25	180 439 M2	Rail, Shifter, Planetary	1
26	180 443 M1	Fork, Shifter, Planetary	1
27	180 446 M1	Selector, Planetary Rail	1
28	881 144 M1	Screw, Fork Lock (3/8" NF, Dog Pt., Sq. Hd.)	4
29	180 418 M1	Plunger, Shifter Rail Lock	3
30	191 221 M1	Spring, Shifter Rail Lock Plunger	3
31	180 453 M1	Plate, Stop Lever	1
32	180 457 M1	Pin, Stop Lever Plate	1
33	353 690 X1	Bolt (3/8 x 7/8" NC, Hex.)	2
34	353 434 X1	Washer (3/8" Lock)	2
35	2 950 X	Plug (1" Expansion)	1

NOTES: (A) Used Tractor Serial No. 680132 and Up.
(B) Used prior to Tractor Serial No. 680132.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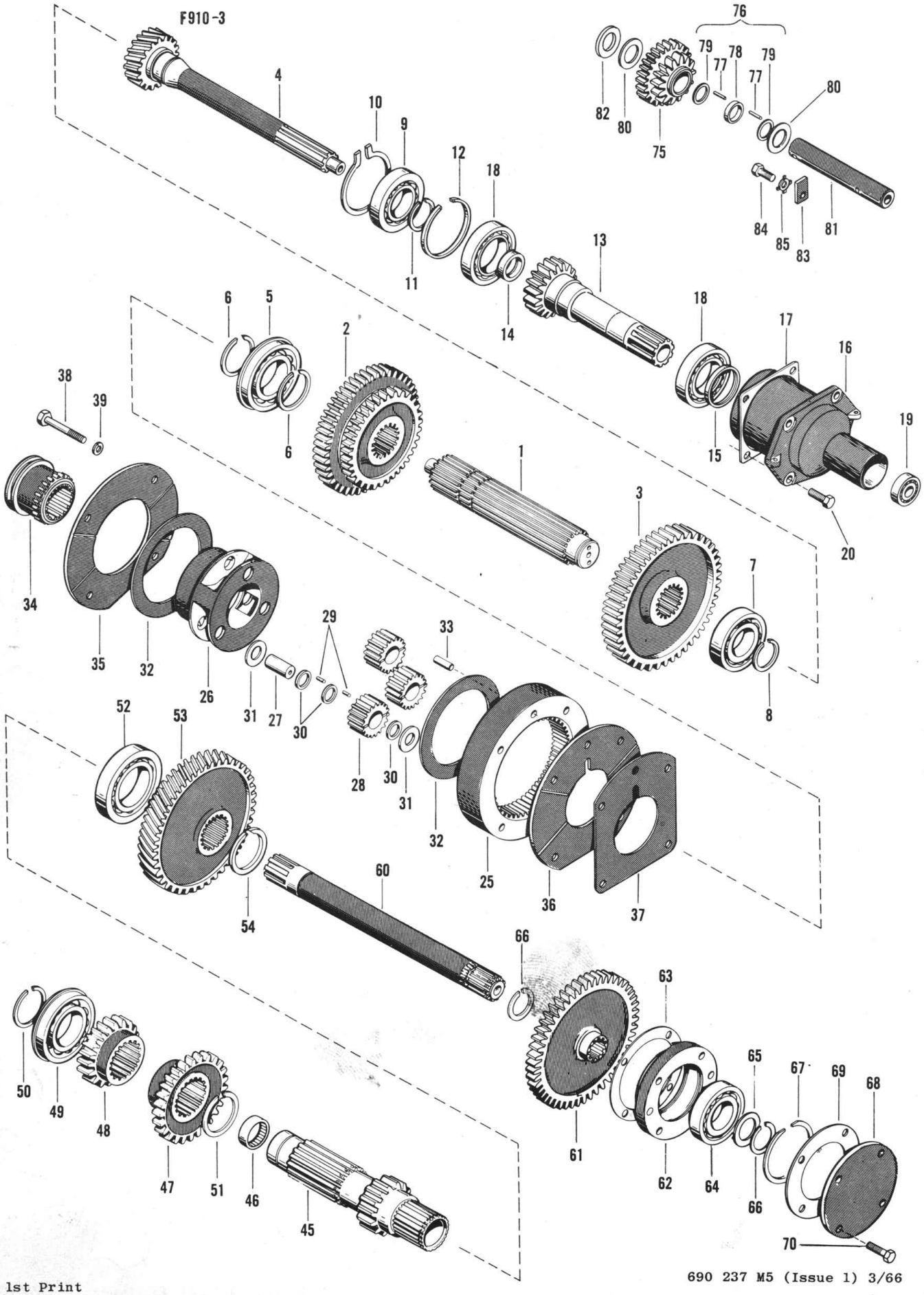
1700-540 REGULAR TRANSMISSION

DUAL CLUTCH

(USED TRACTOR SERIAL NOS. (GAS) 692932, (DIESEL) 692874 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	187 168 M1	Shaft, Main	1
2	891 904 M1	Gear, Main Shaft, Intermediate and High (36 & 46 Ext. Teeth)	1
3	898 912 M1	Gear, Main Shaft, Low (45 Ext. Teeth)	1
4	184 161 M1	Shaft, Pinion, Main Drive (Lo-Clr., Orchard & Utility)(25 Helical Teeth)	1
4	184 160 M1	Shaft, Pinion, Main Drive (Hi-Clr.)(23 Helical Teeth)	1
5	195 493 M1	Bearing, Ball, Main Shaft, Rear	1
6	195 363 M1	Ring, Snap, Rear Bearing to Main Shaft	2
7	195 505 M1	Bearing, Ball, Main Shaft, Front	1
8	195 222 M1	Ring, Snap, Front Bearing to Main Shaft	1
9	195 505 M1	Bearing, Ball, Pinion Shaft, Rear	1
10	184 170 M1	Ring, Snap, Rear Pinion Bearing Retaining (1/16" Thick)	1
11	195 222 M1	Ring, Snap, Rear Pinion Bearing Retaining (Small)	1
12	180 462 M1	Ring, Snap, Rear Pinion Bearing Retaining (13/64" Thick)	1
13	191 497 M1	Pinion, P.T.O. Main Drive Shaft (19 Spur Teeth)	1
14	195 501 M1	Seal, Oil, Main Drive Pinion Shaft (1-1/8 x 1-9/16 x 3/8")	1
15	195 503 M1	Seal, Oil, P.T.O. Main Drive Shaft (1-3/4 x 2-1/4 x 1/4")	1
16	180 428 M2	Housing, Power Input Shafts	1
17	180 434 M1	Gasket, Housing	1
18	195 494 M1	Bearing, Power Input Housing	2
19	832 960 M1	Bearing, Clutch Pilot (Agr.)	1
19	832 953 M1	Bearing, Clutch Pilot (Utility)	1
20	353 690 X1	Bolt (3/8 x 7/8" NC, Hex.)	4
25	180 405 M1	Gear, Planetary Ring	1
26	180 484 M91	Carrier Assembly, Planetary Pinion	1
27	180 413 M1	Shaft, Planetary Pinion	3
28	180 406 M1	Pinion, Planetary	3
29	180 410 M1	Roller, Bearing, Planetary Pinion (22 per Path)	132
30	180 411 M1	Washer, Roller Retaining (3/4 x 1 x 1/16")	9
31	180 412 M1	Washer, Pinion Thrust (3/4 x 1-3/8 x 1/32")	6
32	180 414 M1	Washer, Planetary Gear Thrust (4-1/8 x 5-3/4 x 1/16")	2
33	180 409 M1	Pin, Ring Gear Locating (3/8 x 1-1/8")	2
34	180 435 M1	Coupler, Planetary Shift	1
35	180 012 M2	Plate, Planetary Cover, Rear	1
36	180 408 M2	Plate, Planetary Cover, Front	1
37	184 011 M1	Shim, Ring Gear, Front	1
38	354 270 X1	Bolt (3/8 x 2-5/8" NC, Hex.)	4
39	353 434 X1	Washer (3/8" Lock)	4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1700-540 REGULAR TRANSMISSION - Cont'd.

DUAL CLUTCH

(USED TRACTOR SERIAL NOS. (GAS) 692932, (DIESEL) 692874 AND UP)

Ref. No.	Part No.	Description	No. Req.
45	183 054 M91	Countershaft Assembly (15 Spur Teeth)	1
46	195 453 M1	Bearing, Needle	1
47	180 415 M1	Pinion, High Speed (33 Teeth)	1
48	180 419 M1	Pinion, Intermediate Speed (23 Teeth)	1
49	195 493 M1	Bearing, Ball, Countershaft, Rear	1
50	195 363 M1	Ring, Snap, Rear Bearing Retaining	1
51	195 500 M1	Ring, Snap, Pinion Retaining	1
52	195 507 M1	Bearing, Ball, Countershaft, Front	1
53	184 163 M1	Gear, Countershaft Driven (Lo-Clr.) (Orchard & Utility) (43 Ext. Teeth)	1
53	184 162 M1	Gear, Countershaft Driven (Hi-Clr.) (45 Ext. Teeth)	1
54	195 499 M1	Ring, Snap, Driven Gear Retaining	1
60	188 846 M1	Shaft, Front P.T.O. Drive	1
61	191 499 M1	Gear, P.T.O. Constant Mesh (60 Spur Teeth)	1
62	188 808 M1	Housing, Front P.T.O. Bearing	1
63	180 432 M1	Gasket, Front P.T.O. Bearing Housing	1
64	195 502 M2	Bearing, Front P.T.O. Drive Shaft	1
65	189 272 M1	Washer, Bearing Retainer (1-13/64 x 1-7/8 x 3/32")	1
66	195 038 M1	Ring, Snap, Gear and Bearing Retaining	2
67	195 512 M1	Ring, Snap, Bearing Retaining	1
68	180 433 M1	Plate, P.T.O. Bearing Housing Cover	1
69	181 237 M1	Gasket, Cover Plate	1
70	354 261 X1	Bolt (3/8 x 1-3/8" NC, Hex.)	4
75	183 040 M1	Gear, Reverse Idler (13 and 21 Teeth)	1
76	830 735 M91	Bearing Kit, Reverse Idler Gear	1
77	183 039 M1	Roller, Bearing (28 Per Path)	56
78	183 038 M1	Spacer, Bearing Rollers (1-1/64 x 1-13/64 x 7/32")	1
79	183 037 M1	Retainer, Bearing Rollers (1-1/64 x 1-13/64 x 1/16")	2
80	180 458 M1	Washer, Thrust, Reverse Idler Gear (1 x 1-5/8 x 1/16")	2
81	180 445 M1	Shaft, Reverse Idler Gear	1
82	189 449 M1	Spacer, Reverse Gear	1
83	184 789 M1	Stop, Reverse Idler Gear Shaft	1
84	353 690 X1	Bolt (3/8 x 7/8" NC, Hex.)	1
85	828 020 M1	Washer (3/8" Lock)	1

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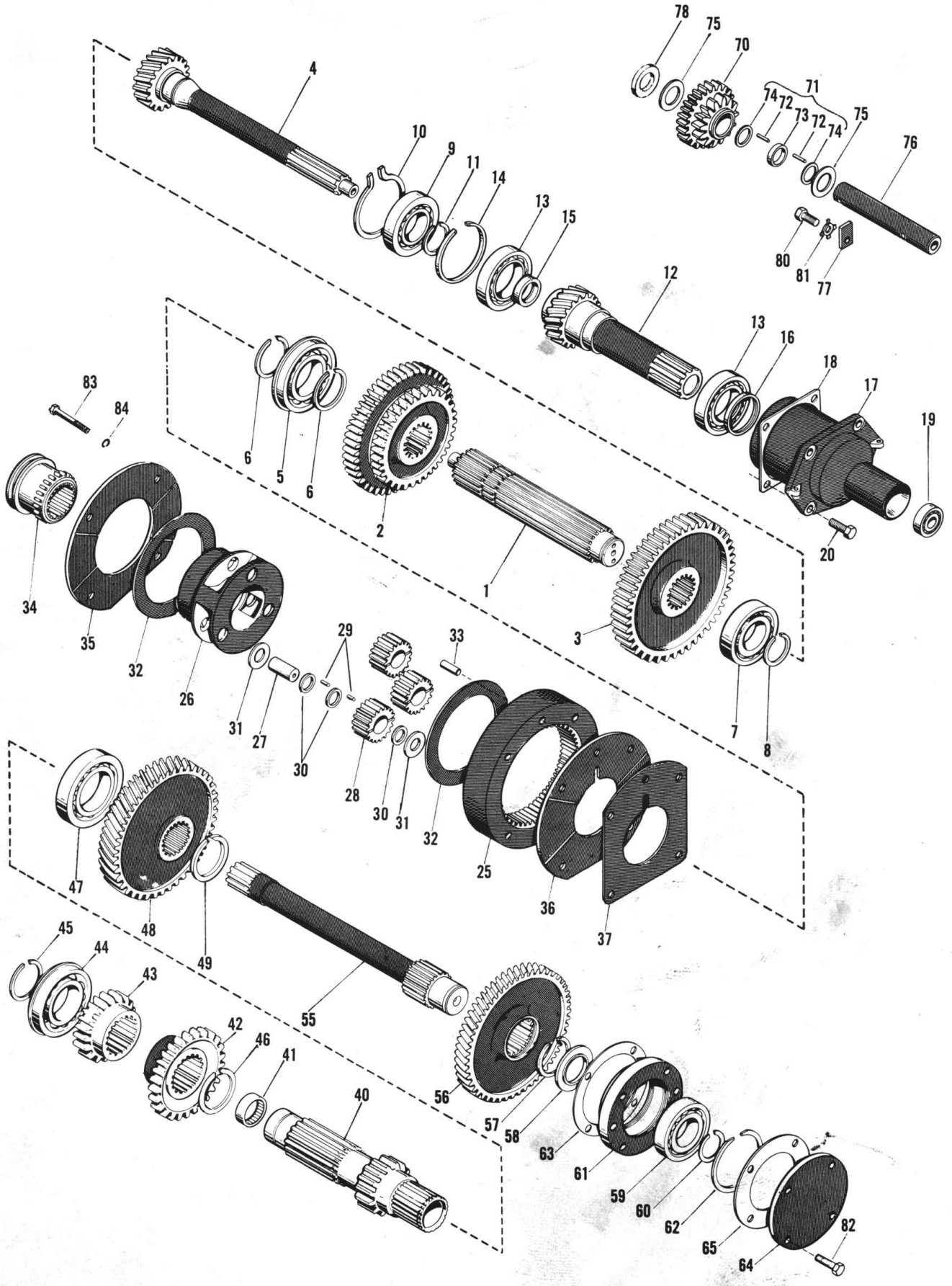
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1500-540 REGULAR TRANSMISSION

DUAL CLUTCH

(USED PRIOR TO TRACTOR SERIAL NOS. (GAS) 692932, (DIESEL) 692874)

Ref. No.	Part No.	Description	No. Req.
1 (A)	187 168 M1	Shaft, Main	1
1 (B)	180 441 M1	Shaft, Main	1
2 (A)	891 904 M1	Gear, Main Shaft, Intermediate and High (36 and 46 Teeth)	1
2 (B)	180 416 M1	Gear, Main Shaft, Intermediate and High (36 and 46 Teeth)	1
3 (A)	898 912 M1	Gear, Main Shaft, Low (45 Teeth)	1
3 (B)	183 042 M1	Gear, Main Shaft, Low (45 Teeth)	1
4	184 161 M1	Shaft, Pinion, Main Drive (Lo-Clearance) (25 Helical Teeth)	1
4	184 160 M1	Shaft, Pinion, Main Drive (Hi-Clearance) (23 Helical Teeth)	1
5	195 493 M1	Bearing, Ball, Main Shaft, Rear	1
6	195 363 M1	Ring, Snap, Bearing to Shaft	2
7	195 505 M1	Bearing, Ball, Main Shaft, Front	1
8	195 222 M1	Ring, Snap, Bearing to Shaft	1
9	195 505 M1	Bearing, Ball, Pinion Shaft, Rear	1
10	184 170 M1	Ring, Snap, Bearing to Housing, Rear (1/16" Thick)	1
11	195 222 M1	Ring, Snap, Bearing to Shaft	1
12	180 427 M2	Shaft, Pinion Power Input, P.T.O. Drive (18 Helical Teeth)	1
13	195 494 M1	Bearing, P.T.O. Drive Shaft	2
14	180 462 M1	Ring, Snap, Bearing to Housing, Front (13/64" Thick)	1
15	195 501 M1	Seal, Oil (1-1/8 x 1-9/16 x 3/8")	1
16	195 503 M1	Seal, Oil (1-3/4 x 2-1/4 x 1/4")	1
17	180 428 M2	Housing, Power Input Shafts	1
18	180 434 M1	Gasket, Housing	1
19	832 960 M1	Bearing, Pilot, Clutch (Agricultural)	1
19	832 953 M1	Bearing, Pilot, Clutch (Utility)	1
20	353 690 X1	Bolt, Housing (3/8 x 7/8" NC, Hex.)	4
25	180 405 M1	Gear, Planetary Ring	1
26	180 484 M91	Carrier Assembly, Planetary Pinion	1
27	180 413 M1	Shaft, Planetary Pinion	3
28	180 406 M1	Pinion, Planetary	3
29	180 410 M1	Roller, Bearing, Planetary Pinion (22 Per Path)	132
30	180 411 M1	Washer, Roller Retaining (3/4 x 1 x 1/16")	9
31	180 412 M1	Washer, Pinion Thrust (3/4 x 1-3/8 x 1/32")	6
32	180 414 M1	Washer, Planetary Gear Thrust (4-1/8 x 5-3/4 x 1/16")	2
33	180 409 M1	Pin, Dowel, Locating (3/8 x 1-1/8")	2
34	180 435 M1	Coupler, Planetary Shift	1
35	184 012 M2	Plate, Planetary Cover, Rear	1
36	180 408 M2	Plate, Planetary Cover, Front	1
37	184 011 M1	Shim, Planetary Unit	1
40	183 054 M91	Countershaft Assembly (15 Spur Teeth)	1
41	195 453 M1	Bearing, Needle	1
42	180 415 M1	Pinion, High Speed (33 Teeth)	1
43	180 419 M1	Pinion, Intermediate Speed (23 Teeth)	1
44	195 493 M1	Bearing, Ball, Countershaft, Rear	1
45	195 363 M1	Ring, Snap, Outer	1
46	195 500 M1	Ring, Snap, Inner	1
47	195 507 M1	Bearing, Ball, Countershaft, Front	1
48	184 163 M1	Gear, Countershaft Driven (Lo-Clearance)(43 Ext. and 20 Int. Teeth)	1
48	184 162 M1	Gear, Countershaft Drive (Hi-Clearance)(45 Ext. and 20 Int. Teeth).	1
49	195 499 M1	Ring, Snap, Gear Retaining	1

Notes: (A) - Used Transmission Serial No. CN 13566 and up.
(B) - Used prior to Transmission Serial No. CN 13566.

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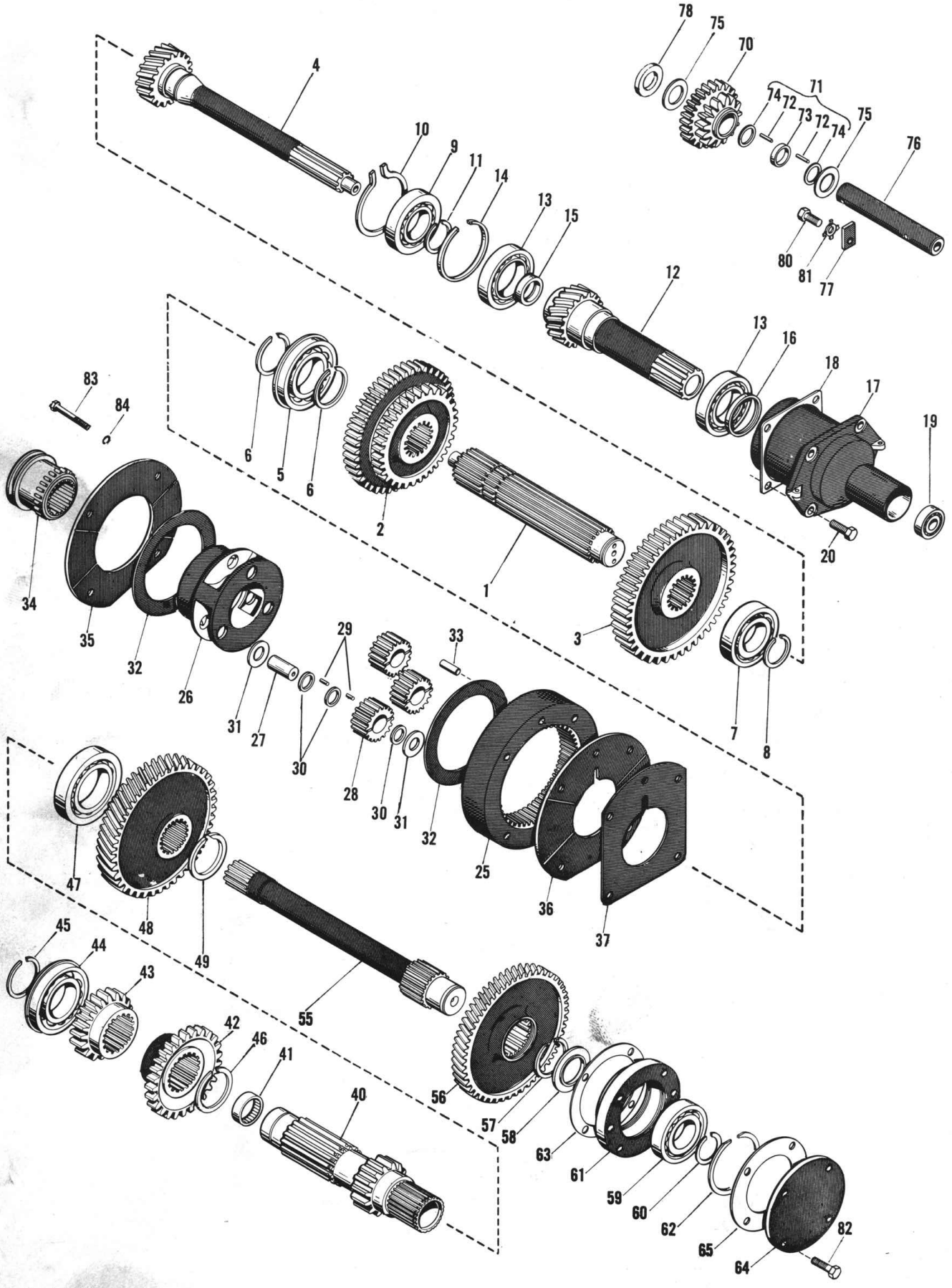
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DUAL CLUTCH

(USED PRIOR TO TRACTOR SERIAL NOS. (GAS) 692932, (DIESEL) 692874)

Ref. No.	Part No.	Description	No. Req.
55	180 429 M1	Shaft, P.T.O. Drive, Front	1
56	180 421 M1	Gear, P.T.O. Constant Mesh (50 Teeth)	1
57	195 497 M1	Ring, Snap, Gear Stop	1
58	180 430 M1	Washer, Thrust, P.T.O. Shaft	1
59	195 505 M1	Bearing, P.T.O. Drive Shaft, Front	1
60	195 222 M1	Ring, Snap, Bearing to Shaft	1
61	180 431 M1	Housing, Bearing	1
62	195 512 M1	Ring, Snap, Bearing to Housing	1
63	180 432 M1	Gasket, Bearing Housing	1
64	180 433 M1	Plate, P.T.O. Bearing Housing Cover	1
65	181 237 M1	Gasket, Cover Plate	1
70	183 040 M1	Gear, Reverse Idler (13 and 21 Teeth)	1
71	830 735 M91	Bearing Kit, Reverse Idler Gear	1
72	183 039 M1	Roller, Bearing Reverse Gear (28 Per Path)	56
73	183 038 M1	Spacer, Bearing Rollers (1-1/64 x 1-13/64 x 7/32")	1
74	183 037 M1	Retainer, Bearing Roller (1-1/64 x 1-13/64 x 1/16")	2
75	180 458 M1	Washer, Reverse Idler Gear Thrust (1 x 1-5/8 x 1/16")	2
76	180 445 M1	Shaft, Reverse Idler Gear	1
77 (C)	184 789 M1	Stop, Reverse Idler Gear Shaft (7/8 x 1-1/4" w/25/64" Hole)	1
77 (D)	180 476 M1	Stop, Reverse Idler Gear Shaft (3/4 x 1-1/4" w/21/64" Hole)	1
78	189 449 M1	Spacer, Reverse Idler Gear	1
80 (D)	353 678 X1	Bolt (5/16 x 7/8" NC, Hex.)	x
81 (D)	353 446 X1	Washer (5/16" Lock)	x
80 (C)	353 690 X1	Bolt (3/8 x 7/8" NC, Hex.)	x
81 (C)	828 020 M1	Washer (3/8" Lock)	x
82	354 261 X1	Bolt (3/8 x 1-3/8" NC, Hex.)	x
83	354 270 X1	Bolt (3/8 x 2-5/8" NC, Hex.)	x
84	353 434 X1	Washer (3/8" Lock)	x

Notes: (C) - Used Transmission Serial No. 500320 and up.
(D) - Used prior to Transmission Serial No. 500320.

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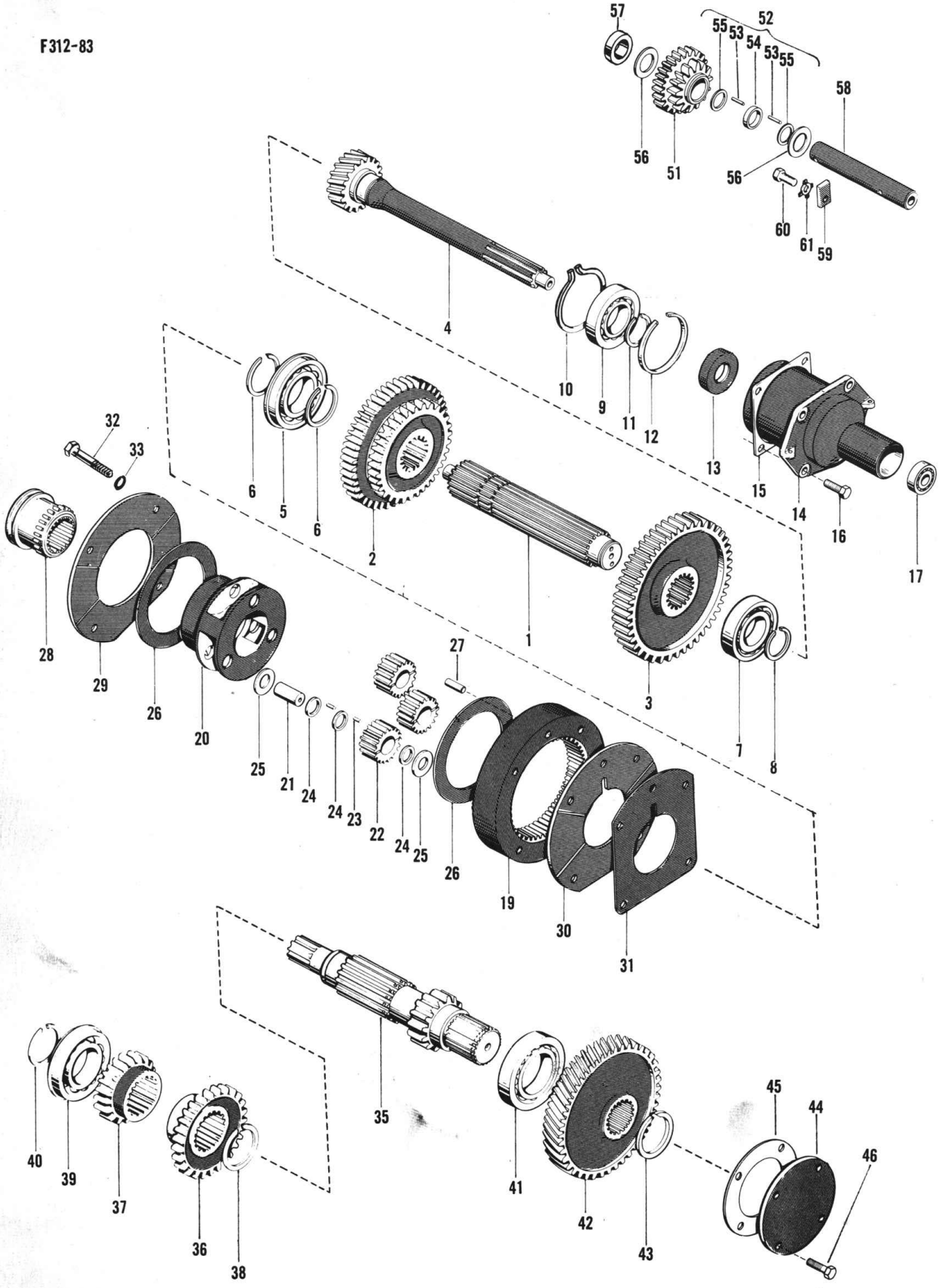
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1500-540 REGULAR TRANSMISSION

SINGLE CLUTCH UTILITY

Ref. No.	Part No.	Description	No. Req.
1	187 168 M1	Shaft, Main	1
2	891 904 M1	Gear, Main Shaft (Intermediate and High) (36 and 46 Teeth)	1
3	898 912 M1	Gear, Main Shaft, Low (45 Teeth)	1
4	184 161 M1	Shaft, Pinion, Main Drive (25 Helical Teeth)	1
5	195 493 M1	Bearing, Ball, Main Shaft, Rear	1
6	195 363 M1	Ring, Snap, Bearing to Shaft	2
7	195 505 M1	Bearing, Ball, Main Shaft, Front	1
8	195 222 M1	Ring, Snap, Bearing to Shaft	1
9	195 505 M1	Bearing, Ball, Pinion Shaft, Rear	1
10	184 170 M1	Ring, Snap, Bearing to Housing, Rear (1/16" Thick)	1
11	195 222 M1	Ring, Snap, Bearing to Shaft	1
12	180 462 M1	Ring, Snap, Bearing to Housing, Front (13/64" Thick)	1
13	195 523 M1	Seal, Oil, Pinion Shaft	1
14	180 428 M2	Housing, Pinion Shaft	1
15	180 434 M1	Gasket, Housing	1
16	353 690 X1	Bolt, Housing (3/8 x 7/8" NC, Hex.)	4
17	832 953 M1	Bearing, Clutch Pilot	1
19	180 405 M1	Gear, Planetary Ring	1
20	180 484 M91	Carrier Assembly, Planetary Pinion	1
21	180 413 M1	Shaft, Planetary Pinion	3
22	180 406 M1	Pinion, Planetary	3
23	180 410 M1	Roller, Planetary Pinion Bearing (22 per Path)	132
24	180 411 M1	Washer, Roller Retaining (3/4 x 1 x 1/16")	9
25	180 412 M1	Washer, Pinion Thrust (3/4 x 1-3/8 x 1/32")	6
26	180 414 M1	Washer, Planetary Gear Thrust (4-1/8 x 5-3/4 x 1/16")	2
27	180 409 M1	Pin, Dowel, Ring Gear Locating (3/8 x 1-1/8")	2
28	180 435 M1	Coupler, Planetary Shift	1
29	184 012 M2	Plate, Planetary Cover, Rear	1
30	180 408 M2	Plate, Planetary Cover, Front	1
31	184 011 M1	Shim, Planetary	1
32	354 270 X1	Bolt, Planetary (3/8 x 2-5/8" NC, Hex.)	4
33	353 434 X1	Washer (3/8" Lock)	4
35	183 085 M1	Countershaft	1
36	180 415 M1	Pinion, Countershaft, High Speed (33 Teeth)	1
37	180 419 M1	Pinion, Countershaft, Intermediate Speed (23 Teeth)	1
38	195 500 M1	Ring, Snap, Pinion to Countershaft	1
39	195 493 M1	Bearing, Ball, Countershaft, Rear	1
40	195 363 M1	Ring, Snap, Bearing to Countershaft	1
41	195 507 M1	Bearing, Ball, Countershaft, Front	1
42	184 163 M1	Gear, Countershaft, Constant Mesh (43 Helical Teeth)	1
43	195 499 M1	Ring, Snap, Constant Mesh Gear	1
44	180 433 M1	Cap, Housing	1
45	181 237 M1	Gasket, Cap	1
46	353 689 X1	Bolt, Cap (3/8 x 3/4" NC, Hex.)	4
51	183 040 M1	Gear, Reverse Idler (13 and 21 Teeth)	1
52	830 735 M91	Bearing Kit, Reverse Idler Gear	1
53	183 039 M1	Roller, Bearing, Reverse Idler (28 Per Path)	56
54	183 038 M1	Spacer, Bearing Rollers (1-1/64 x 1-13/64 x 7/32")	1
55	183 037 M1	Retainer, Bearing Rollers (1-1/64 x 1-13/64 x 1/16")	2
56	180 458 M1	Washer, Reverse Gear Thrust (1 x 1-5/8 x 1/16")	2
57	189 449 M1	Spacer, Reverse Gear	1
58	180 445 M1	Shaft, Reverse Idler Gear	1
59	184 789 M1	Stop, Reverse Idler Gear Shaft	1
60	353 690 X1	Bolt, Stop (3/8 x 7/8" NC, Hex.)	1
61	828 020 M1	Washer (3/8" Lock)	1

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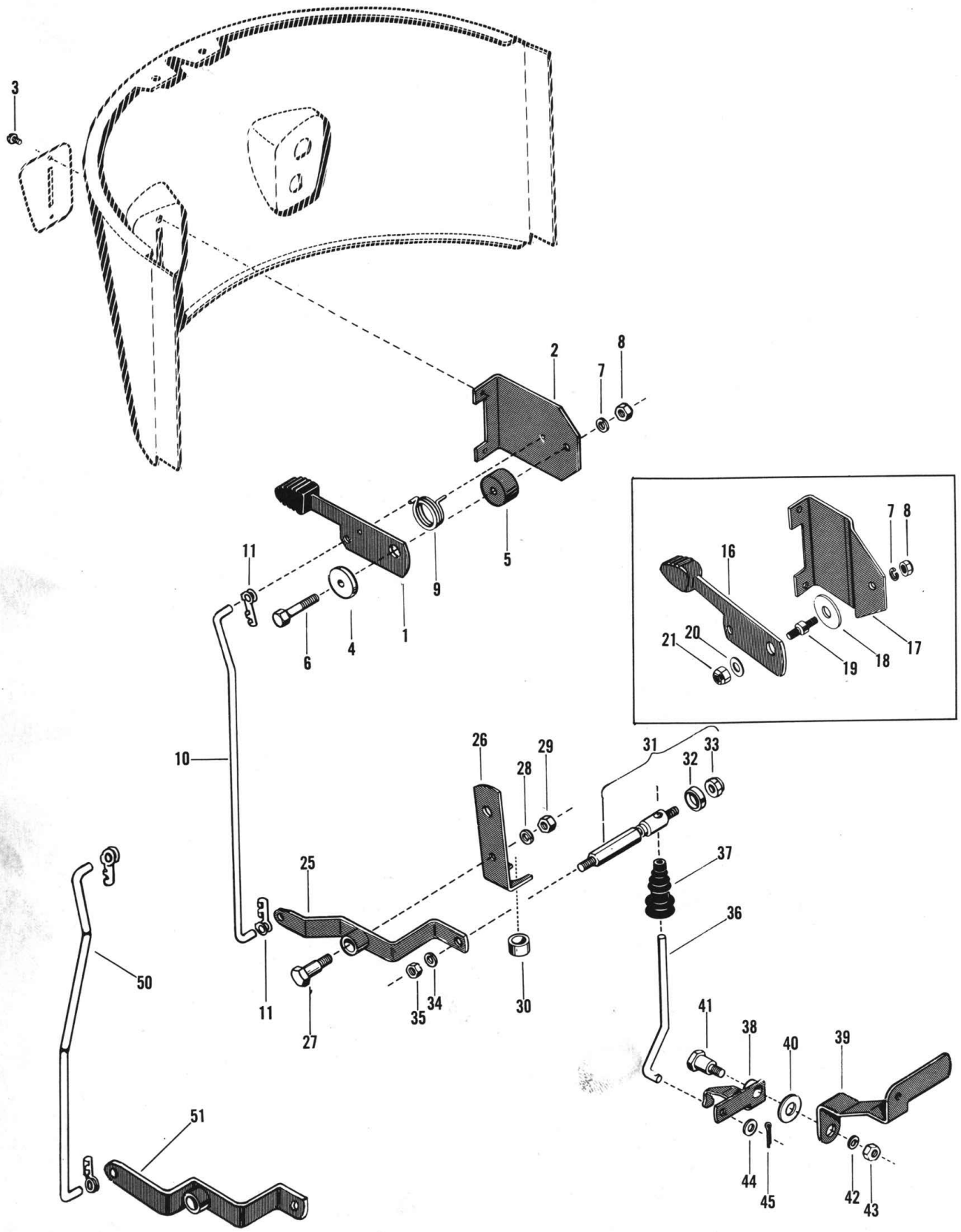
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Ref. No.	Part No.	Description	No. Req.
1 (A)	190 876 M91	Lever Assembly, Shift Control	1
2 (A)	190 879 M1	Bracket, Shift Lever	1
3	187 137 M1	Screw, Bracket (#10 - 32 x 1/2" Phillips Hd.)	2
4 (A)	190 875 M1	Pivot, Control Lever	1
5 (A)	190 873 M1	Spacer, Control Lever (17/64 x 1 x 33/64")	1
6 (A)	353 507 X1	Bolt (1/4 x 1-1/4" NF, Hex.)	1
7	353 441 X1	Washer (1/4" Lock)	1
8	353 918 X1	Nut (1/4" NF, Hex.)	1
9 (A)	190 874 M1	Spring, Anti-Rattle	1
10 (B)	188 791 M91	Rod, Shift, Upper Linkage	1
11	832 164 M1	Clip, Shift Rod	2
16 (C)	188 792 M91	Lever Assembly, Shift Control	1
17 (C)	188 794 M1	Bracket, Shift Lever	1
18 (C)	187 053 M1	Washer, Friction (3/8 x 1 x 1/8" Cork)	1
19 (C)	187 060 M1	Stud, Lever Pivot (1/4" NF x 1-3/32" Special)	1
20 (C)	353 754 X1	Washer, Pivot Stud (1/4" Small Flat)	1
21 (C)	358 653 X1	Nut, Pivot Stud (1/4" NF, Hex., Special)	1
25 (B)	188 788 M91	Lever Assembly, Shift Control Pivot	1
26	188 787 M1	Bracket, Pivot Lever	1
27	188 858 M1	Bolt, Pivot Lever (1/4 x 1-1/8" NF, Hex., w/Shoulder)	1
28	353 441 X1	Washer (1/4" Lock)	1
29	353 918 X1	Nut (1/4" NF, Hex.)	1
30	359 529 X1	Spacer, Pivot Lever Bracket (5/8" Pipe x 3/8")	1
31	188 790 M92	Ball Joint Assembly	1
32	1 021 902 M1	Collar, Lower Shift Rod Retaining	1
33	195 256 M1	Nut (1/4" NF, Hex., Lock)	1
34	353 441 X1	Washer (1/4" Lock)	1
35	353 918 X1	Nut (1/4" NF, Hex.)	1
36	188 880 M2	Rod, Shift, Lower Linkage	1
37	186 518 M1	Bellows, Lower Shift Rod (Dust Cover)	1
38	187 142 M91	Lever Assembly, Valve	1
39	186 527 M1	Bracket, Valve Shift Lever	1
40	186 812 M1	Spacer, Bracket (13/32 x 13/16 x 1/16")	1
41	187 143 M1	Bolt, Bracket (1/4 x 7/8" NC, Hex., w/Shoulder)	1
42	353 441 X1	Washer (1/4" Lock)	1
43	355 564 X1	Nut (1/4" NC, Hex.)	1
44	353 754 X1	Washer (1/4" Small Flat)	1
45	354 041 X1	Cotter Pin (1/16 x 3/4")	1
50 (D)	192 033 M1	Rod, Shift, Upper Linkage	1
51 (D)	192 031 M1	Lever Assembly, Shift Control Pivot	1

Notes: (A) - Used Tractor Serial No. 682 705 and up.
(B) - Used w/U.S. Steering Gears.
(C) - Used prior to Tractor Serial No. 682 705.
(D) - Used w/U.K. Steering Gears.

MULTI-POWER TRANSMISSION PUMP, VALVE AND LINES

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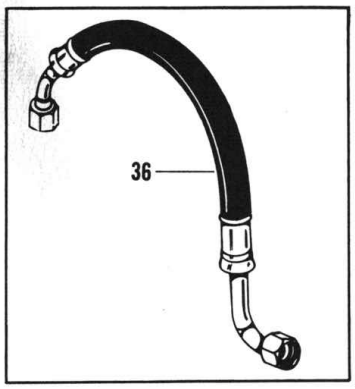

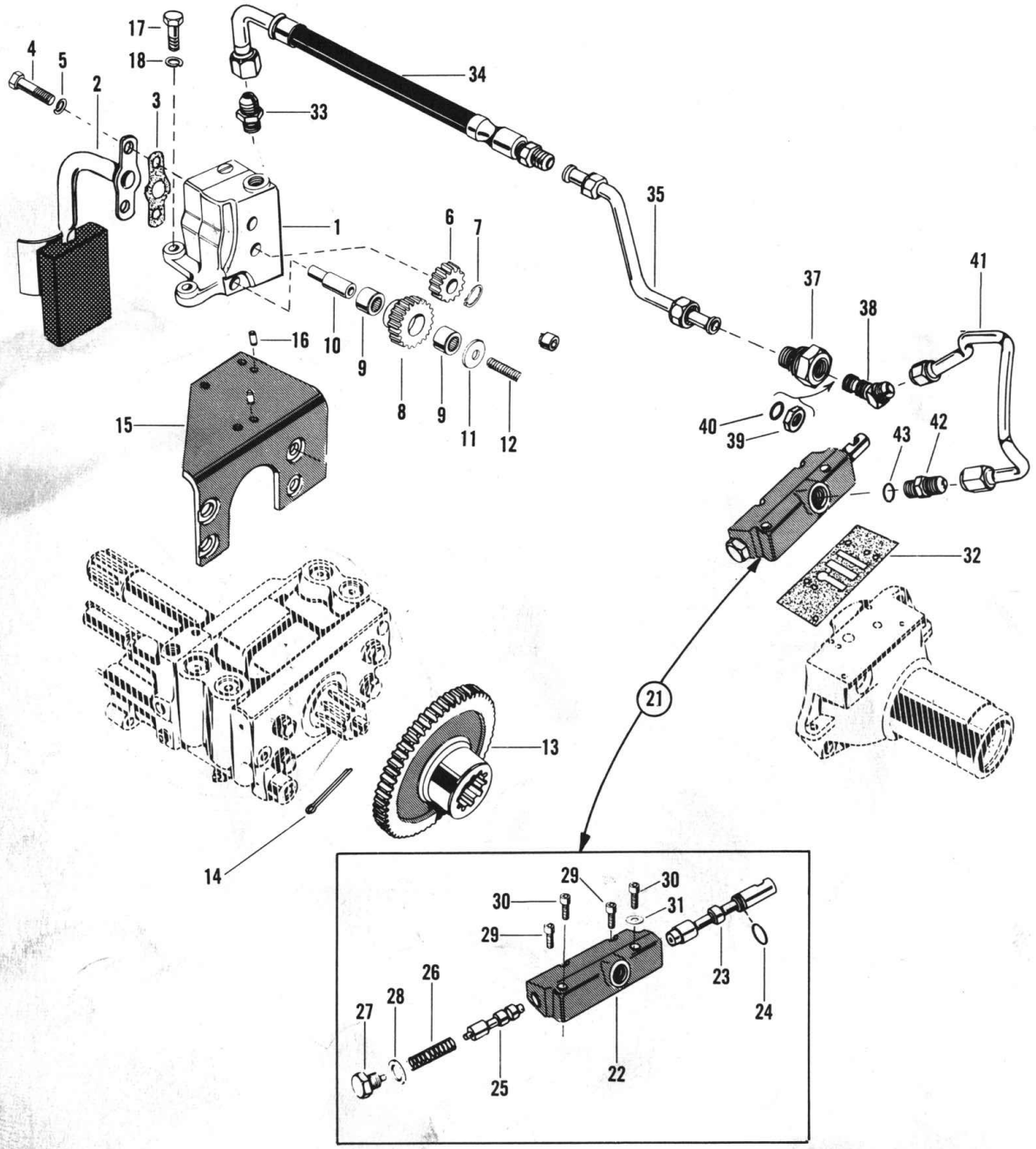

MULTI-POWER TRANSMISSION PUMP, VALVE AND LINES

Ref. No.	Part No.	Description	No. Req.
1		Pump Assembly, Multi-Power (See Page 229)	1
2	189 150 M91	Filter Assembly, Pump	1
3	187 082 M1	Gasket, Filter to Pump	1
4	353 687 X1	Bolt, Filter to Pump (5/16 x 2" NC, Hex.)	2
5	353 446 X1	Washer (5/16" Lock)	2
6	188 810 M1	Gear, Pump (12 Teeth)	1
7	354 262 X1	Ring, Snap, Gear Retaining	1
8	188 811 M91	Gear Assembly, Pump Idler (20 Teeth)	1
9	832 487 M1	Bearing, Needle	2
10	188 809 M1	Shaft, Idler Gear	1
11	188 855 M1	Washer, Idler Gear (1/2 x 1-1/8 x 7/64")	1
12	832 486 M1	Screw, Idler Gear (1/4 x 2-1/8" NC, Sckt. Hd.)	1
13	187 093 M1	Gear, Pump Driving (58 Teeth)	1
14	354 072 X1	Cotter Pin (5/32 x 2")	1
15	189 479 M91	Bracket Assembly, Pump Mounting	1
16	187 084 M1	Pin, Pump Locating (1/4 x 1/2")	1
17	353 517 X1	Bolt, Pump to Bracket (5/16 x 3/4" NF, Hex.)	3
18	353 446 X1	Washer (5/16" Lock)	3
21	194 485 M91	Valve Assembly, Multi-Power	1
22	188 813 M1	Body, Valve	1
23	188 802 M1	Spool, Shift	1
24	832 207 M1	"O" Ring, Shift Spool	1
25	186 520 M1	Spool, Regulator	1
26	189 318 M1	Spring, Regulator	1
27	186 808 M2	Plug, Regulator Spool	1
28	186 570 M1	Washer, Plug	1
29	357 819 X1	Screw, Valve (#10 x 7/8" NC, Sckt. Hd.)	2
30	357 822 X1	Screw, Valve (#10 x 1-1/4" NC, Sckt. Hd.)	2
31	186 568 M1	Washer, Valve Screw	1
32	188 807 M2	Gasket, Valve to Housing	1
33	354 472 X1	Connector, Hose to Pump	1
34 (A)	190 847 M92	Hose Assembly (Approx. 10-3/4" Long)	1
35 (A)	190 845 M91	Tube Assembly (Approx. 5-1/8" Long)	1
36 (B)	188 907 M91	Hose Assembly (Approx. 15-1/2" Long)	1
37	188 805 M2	Adapter, Pressure Line	1
38	358 781 X91	Elbow Assembly	1
39	357 195 X1	Nut, Elbow	1
40	831 452 M1	"O" Ring	1
41	188 908 M92	Tube Assembly, Multi-Power Valve Inlet	1
42	835 091 M91	Connector Assembly, Tube to Valve	1
43	831 452 M1	"O" Ring	1

Notes: (A) - Used Tractor Serial Number 682 705 and up.
(B) - Used prior to Tractor Serial Number 682 705. For Repairs order (1) 190 847 M92, Hose and (1) 190 845 M91, Tube.

MULTI-POWER TRANSMISSION PUMP

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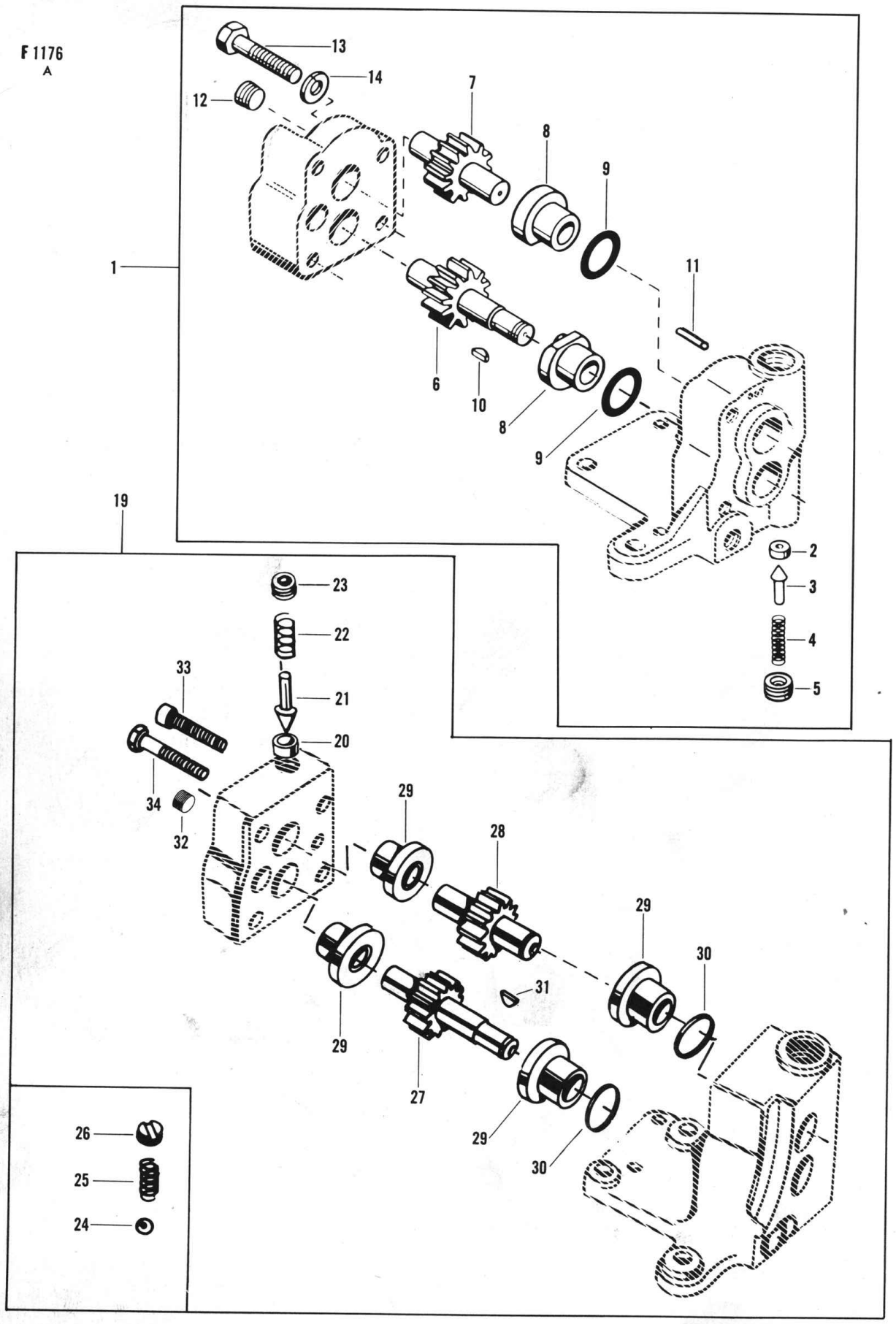

Ref. No.	Part No.	Description	No. Req.
1 (A)	194 649 M91	Pump Assembly, Multi-Power	1
2	1 026 158 M1	Seat, Relief Valve	1
3	1 021 435 M1	Poppet, Relief Valve	1
4	1 021 436 M1	Spring, Poppet	1
5	1 021 437 M1	Screw, Relief Valve	1
6	1 026 154 M1	Gear, Leading	1
7	1 026 157 M1	Gear, Follow	1
8	1 018 230 M1	Bushing, Gear	2
9	1 026 156 M1	Ring, Seal	2
10	1 501 333 M1	Key (1/8 x 1/2" Woodruff)	1
11	357 620 X1	Pin, Locating	2
12	356 039 X1	Plug, Cover (1/8" P.T., Sckt. Hd.)	1
13	353 679 X1	Bolt, Cover to Body (5/16 x 1" NC, Hex.)	2
14	353 446 X1	Washer (5/16" Lock)	2
19 (B)	189 504 M91	Pump Assembly, Multi-Power (Order 194 649 M91)	1
20 (C)	1 026 158 M1	Seat, Relief Valve	1
21 (C)	1 021 435 M1	Poppet, Relief Valve	1
22 (C)	1 021 436 M1	Spring, Poppet	1
23 (C)	1 021 437 M1	Screw, Relief Valve	1
24 (D)	354 465 X1	Ball, Relief Valve	1
25 (D)	1 018 231 M1	Spring, Relief Valve (Order 1 - 1 021 436 and 1 - 1 021 437 M1)	1
26 (D)	1 018 232 M1	Screw, Relief Valve (Order 1 - 1 021 436 and 1 - 1 021 437 M1)	1
27	1 018 229 M1	Gear, Leading	1
28	1 018 228 M1	Gear, Follow	1
29	1 018 230 M1	Bushing, Gear	4
30	359 251 X1	"O" Ring, Bushing	2
31	1 501 333 M1	Key (1/8 x 1/2" Woodruff)	1
32	356 039 X1	Plug, Cover (1/8" P.T., Sckt. Hd.)	1
33	360 828 X1	Bolt, Cover to Body (5/16 x 1" NC, Sckt. Hd.)	1
34	353 683 X1	Bolt, Cover to Body (5/16 x 1-1/2" NC, Hex.)	1

Notes: (A) - Used Tractor Serial Number 707 648 and up.
(B) - Used prior to Tractor Serial Number 707 648.
(C) - Used late Model Pumps. Check parts carefully before ordering.
(D) - Used early Model Pumps. Check parts carefully before ordering.

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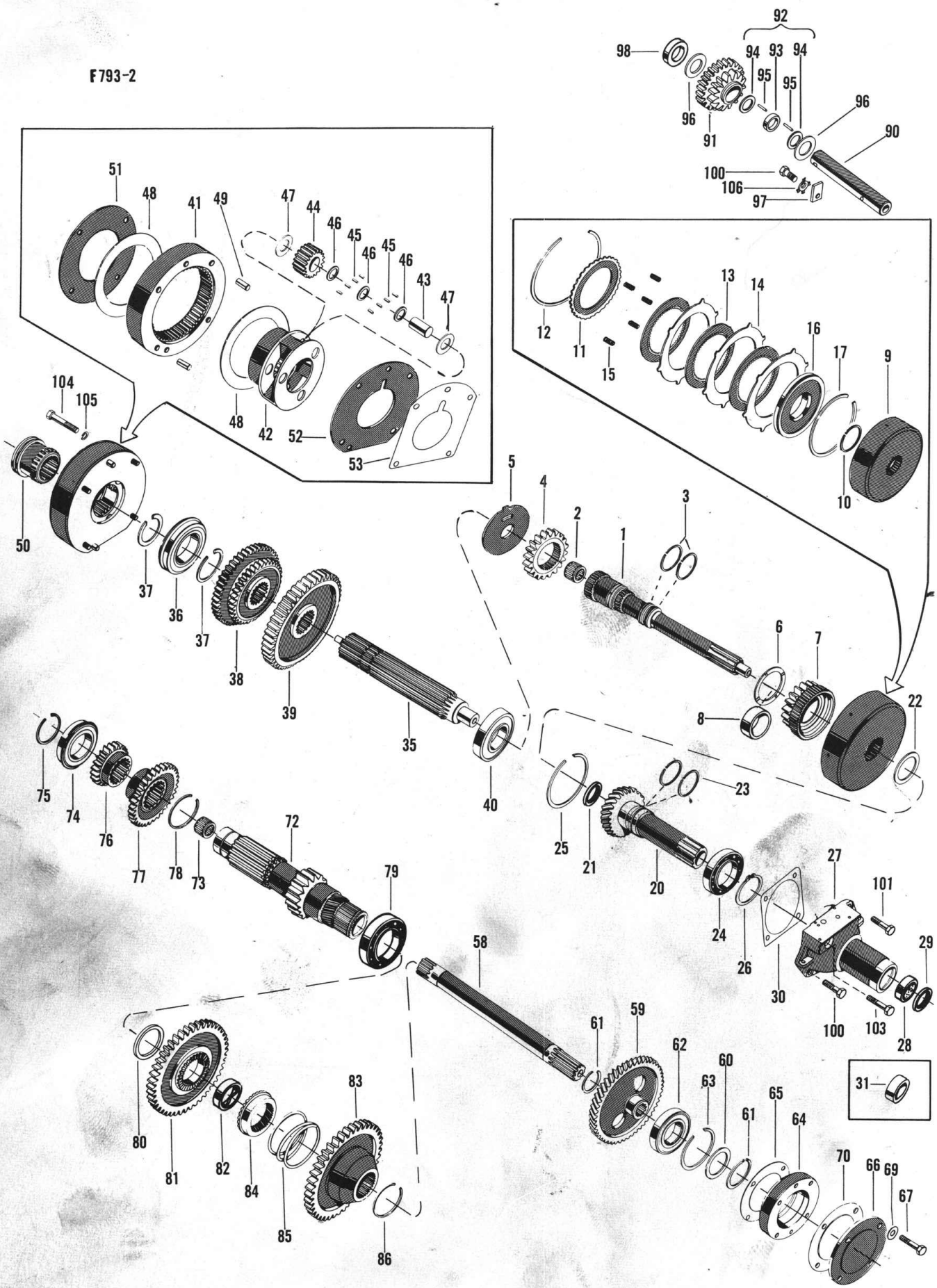
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MULTI-POWER TRANSMISSION

(1500-540 AND 1700-540)

Ref. No.	Part No.	Description	No. Req.
1	189 396 M91	Shaft Assembly, Main Drive Input	1
2	195 873 M1	Bearing, Needle, Input Shaft	1
3	186 581 M1	Ring, Sealing, Main Drive Shaft (1-1/2" OD x 3/32") Lock Type)	2
4	186 537 M1	Pinion, Main Drive (Lo-Clearance & Orchard)(22 Spur Teeth)	1
4	186 545 M1	Pinion, Main Drive (Hi-Clearance) (20 Spur Teeth)	1
5	186 579 M1	Spacer, Input Shaft	1
6	186 567 M1	Washer, Thrust, Main Drive Pinion (1-25/32 x 2-5/8 x 1/16")	1
7	188 841 M91	Pinion Assembly, Input Overdrive (Lo-Clearance & Orchard) (25 Spur Teeth)	1
7	188 844 M91	Pinion Assembly, Input Overdrive (Hi-Clearance) (24 Spur Teeth)	1
8	188 806 M1	Bushing, Pinion (1-3/4 x 1-7/8 x 59/64")	1
9	188 843 M1	Housing, Clutch	1
10	186 580 M1	Ring, Piston (in Housing) (2-3/8" OD x 3/32" Lock Type)	1
11	186 532 M1	Plate, Clutch Retaining	1
12	364 689 X1	Ring, Snap, Clutch Plate Retaining	1
13	190 177 M1	Disc, Clutch (Friction)	3
14	185 464 M1	Plate, Clutch	3
15	186 519 M1	Spring, Piston Return	6
16	186 531 M1	Piston, Clutch	1
17	185 425 M1	Ring, Piston	1
20 (A)	191 500 M91	Pinion Assembly, P.T.O. Main Drive Shaft (19 Spur Teeth)	1
20 (B)	188 849 M91	Pinion Assembly, P.T.O. Main Drive Shaft (18 Spur Teeth)	1
21	883 935 M1	Seal, Oil, Pinion (1-1/8 x 1-1/2 x 1/4")	1
22	187 074 M1	Washer, Thrust, P.T.O. Pinion (2-5/16" OD x 1/32")	1
23	186 198 M1	Ring, Sealing, P.T.O. Drive Shaft (2" OD x 3/32")	2
24	833 646 M1	Bearing, Ball (1-31/32 x 3-35/64 x 25/32")	1
25	358 890 X1	Ring, Snap, Bearing Retaining (Large)	1
26	762 101 M1	Ring, Snap, Bearing Retaining (Small)	1
27	188 847 M92	Retainer Assembly, Main Drive Shaft	1
28		Bushing, Retainer (See Item 31)	1
29	192 329 M1	Seal, Oil, Retainer (1-5/8 x 2 x 19/32")	1
30	180 434 M1	Gasket, Main Drive Shaft Retainer	1
31 (C)	511 825 M1	Bushing (1-39/64 x 1-3/4 x 3/4")	1
35	189 440 M1	Shaft, Main	1
36	195 493 M1	Bearing, Ball, Main Shaft, Rear (1-31/32 x 3-35/64 x 25/32")	1
37	195 363 M1	Ring, Snap, Rear Bearing Retaining	2
38	891 904 M1	Gear, Main Shaft, Intermediate and High (46 and 36 Teeth)	1
39	189 439 M1	Gear, Main Shaft, Low (45 External Teeth)	1
40	831 469 M1	Bearing, Ball, Main Shaft, Front (1-37/64 x 3-9/64 x 45/64")	1
41	180 405 M1	Gear, Ring, Planetary	1
42	180 484 M91	Carrier Assembly, Planetary Pinion	1
43	180 413 M1	Shaft, Pinion	3
44	180 406 M1	Pinion, Planetary	3
45	180 410 M1	Roller, Pinion (22 per Path)	132
46	180 411 M1	Washer, Roller Retaining (3/4 x 1 x 1/16")	9
47	180 412 M1	Washer, Thrust, Pinion (3/4 x 1-3/8 x 1/32")	6
48	180 414 M1	Washer, Thrust, Ring Gear (4-1/8 x 5-3/4 x 1/16")	2
49	180 409 M1	Pin, Locating (3/8 x 1-1/8")	2
50	180 435 M1	Coupler, Planetary Shift	1
51	184 012 M2	Cover, Ring Gear, Rear	1
52	180 408 M2	Cover, Ring Gear, Front	1
53	184 011 M1	Shim, Front Cover	1

Notes: (A) - Used w/1700-540 Transmission.
(B) - Used w/1500-540 Transmission.
(C) - May be used to replace production bushing in 188 847 M92 Housing Assembly if Housing Bore does not exceed 1.7505". If the Housing Bore is larger than 1.7505" the complete Assembly, 188 847 M92, must be installed.

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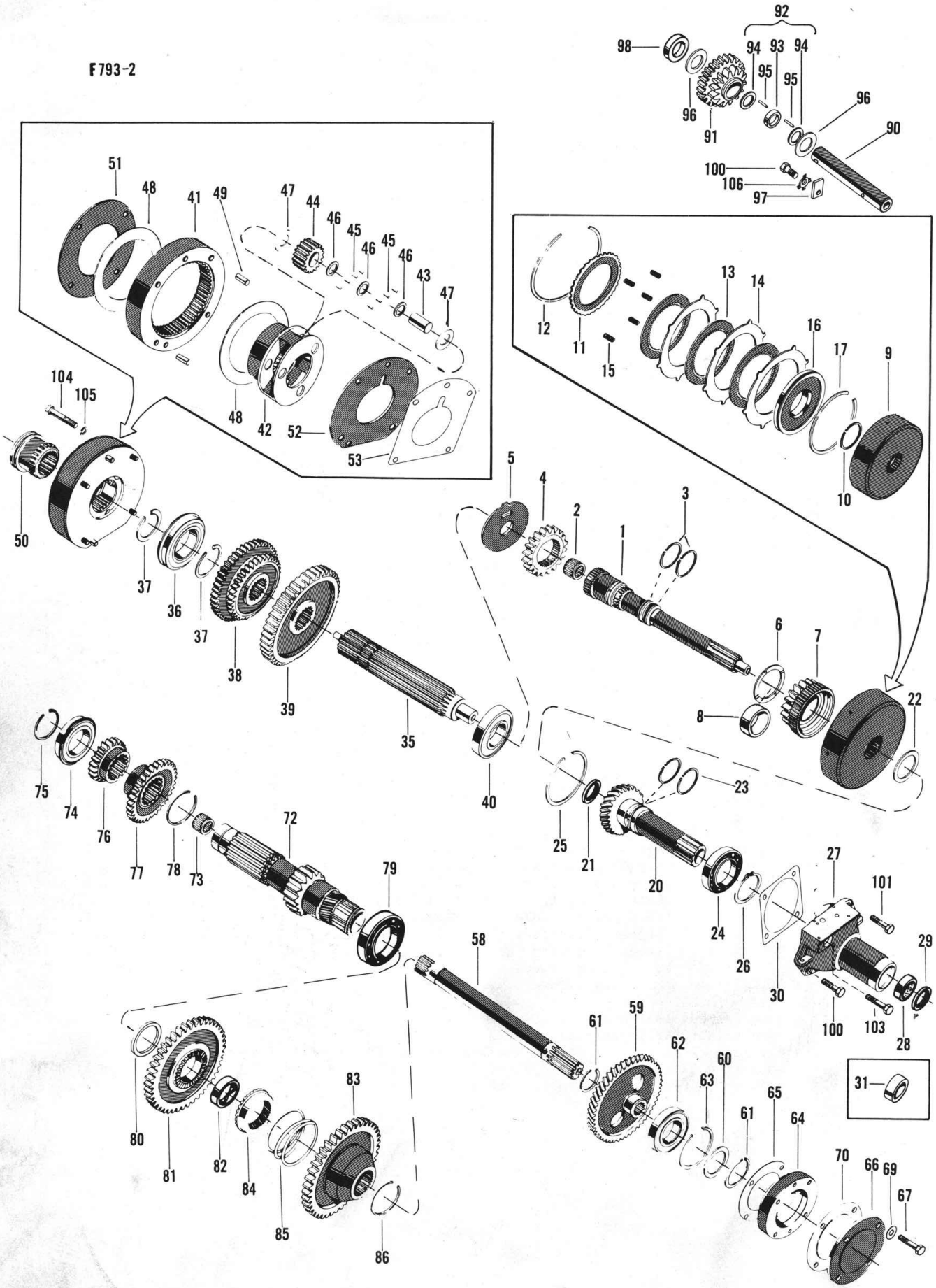
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(1500-540 AND 1700-540)

Ref. No.	Part No.	Description	No. Req.
58	188 846 M1	Shaft, P.T.O. Drive, Front	1
59 (A)	191 499 M1	Gear, P.T.O. Constant Mesh (60 Spur Teeth)	1
59 (B)	188 837 M1	Gear, P.T.O. Constant Mesh (50 Spur Teeth)	1
60	189 272 M1	Washer, Spacer, Front P.T.O. Shaft (1-13/64 x 1-7/8 x 5/64")	1
61	195 038 M1	Ring, Snap, Constant Mesh Gear Retaining	2
62	195 502 M2	Bearing, Ball, Front P.T.O.	1
63	195 512 M1	Ring, Snap, Front P.T.O. Bearing Retaining	1
64	188 808 M1	Housing, Front P.T.O. Bearing	1
65	180 432 M1	Gasket, Front P.T.O. Housing	1
66 (C)	180 433 M1	Cap, Front P.T.O. Bearing Housing	1
66 (D)	894 596 M1	Cap, Front P.T.O. Bearing Housing	1
67 (E)	354 261 X1	Bolt, Cap (3/8 x 1-3/8" NC, Hex.)	4
67 (F)	353 693 X1	Bolt, Cap (3/8 x 1-1/4" NC, Hex.)	4
69 (F)	376 433 X1	Washer, Cap Bolt (3/8" Special, Flat)	4
70	181 237 M1	Gasket, Front P.T.O. Bearing Housing Cap	1
72	189 391 M91	Countershaft Assembly, Transmission	1
73	195 453 M1	Bearing, Needle, Countershaft	1
74	832 519 M1	Bearing, Ball, Countershaft, Rear (1-31/32 x 3-35/64 x 25/32")	1
75	195 363 M1	Ring, Snap, Rear Bearing Retaining	1
76	180 419 M1	Pinion, Countershaft, Intermediate (23 External Teeth)	1
77	180 415 M1	Pinion, Countershaft, High (33 External Teeth)	1
78	195 500 M1	Ring, Snap, High Speed Pinion Retaining	1
79	831 187 M1	Bearing, Ball, Countershaft, Front (2-5/32 x 3-15/16 x 53/64")	1
80	188 859 M1	Washer, Thrust, Front Bearing (2-9/64 x 2-3/4 x 1/16")	1
81	188 838 M91	Gear Assembly, Countershaft Drive (Lo-Clearance & Orchard) (38 Spur Teeth)	1
82	832 491 M1	Bushing, Drive Gear (2-7/64 x 2-1/4 x 7/8")	1
81	188 830 M91	Gear Assembly, Countershaft Drive (Hi-Clr.) (39 Spur Teeth)	1
82	832 491 M1	Bushing, Drive Gear (2-7/64 x 2-1/4 x 7/8")	1
83	188 840 M1	Gear, Overdrive (Lo-Clr. & Orchard) (33 Spur Teeth)	1
83	188 852 M1	Gear, Overdrive (Hi-Clr.) (36 Spur Teeth)	1
84	188 834 M1	Coupler, Clutch	1
85	188 803 M1	Spring, Clutch Jaw	1
86	831 581 M1	Ring, Snap, Overdrive Gear Retaining	1
90	180 445 M1	Shaft, Reverse Gear	1
91	183 040 M1	Gear, Reverse Shaft	1
92	830 735 M91	Bearing Kit, Reverse Gear Cluster	1
93	183 038 M1	Washer, Roller Spacer (1-1/64 x 1-13/64 x 7/32")	1
94	183 037 M1	Washer, Roller Retainer (1-1/64 x 1-13/64 x 1/16")	2
95	183 039 M1	Roller, Needle, Reverse Gear (28 per Path)	56
96	180 458 M1	Washer, Reverse Gear (1 x 1-5/8 x 1/16")	2
97	184 789 M1	Stop, Reverse Idler Gear Shaft	1
98	189 449 M1	Spacer, Reverse Idler Shaft	1
100	353 690 X1	Bolt (3/8 x 7/8" NC, Hex.)	2
101	353 692 X1	Bolt (3/8 x 1-1/8" NC, Hex.)	1
103	354 265 X1	Bolt (3/8 x 1-7/8" NC, Hex.)	2
104	354 270 X1	Bolt (3/8 x 2-5/8" NC, Hex.)	4
105	353 434 X1	Washer (3/8" Lock)	4
106	828 020 M1	Washer (3/8" Tab Lock)	1

Notes: (A) - Used w/1700-540 Transmission.
(B) - Used w/1500-540 Transmission.
(C) - Used on some Transmissions, Cap is 1/4" thick Steel Plate.
(D) - Used on some Transmissions, Cap is 1/16" thick formed Sheet Metal. For Repairs order (1) 180 433 M1, Cap and (4) 354 261 X1, Bolts.
(E) - Used with 180 433 M1, Cap.
(F) - Used with 894 596 M1, Cap.

GEAR SHIFT

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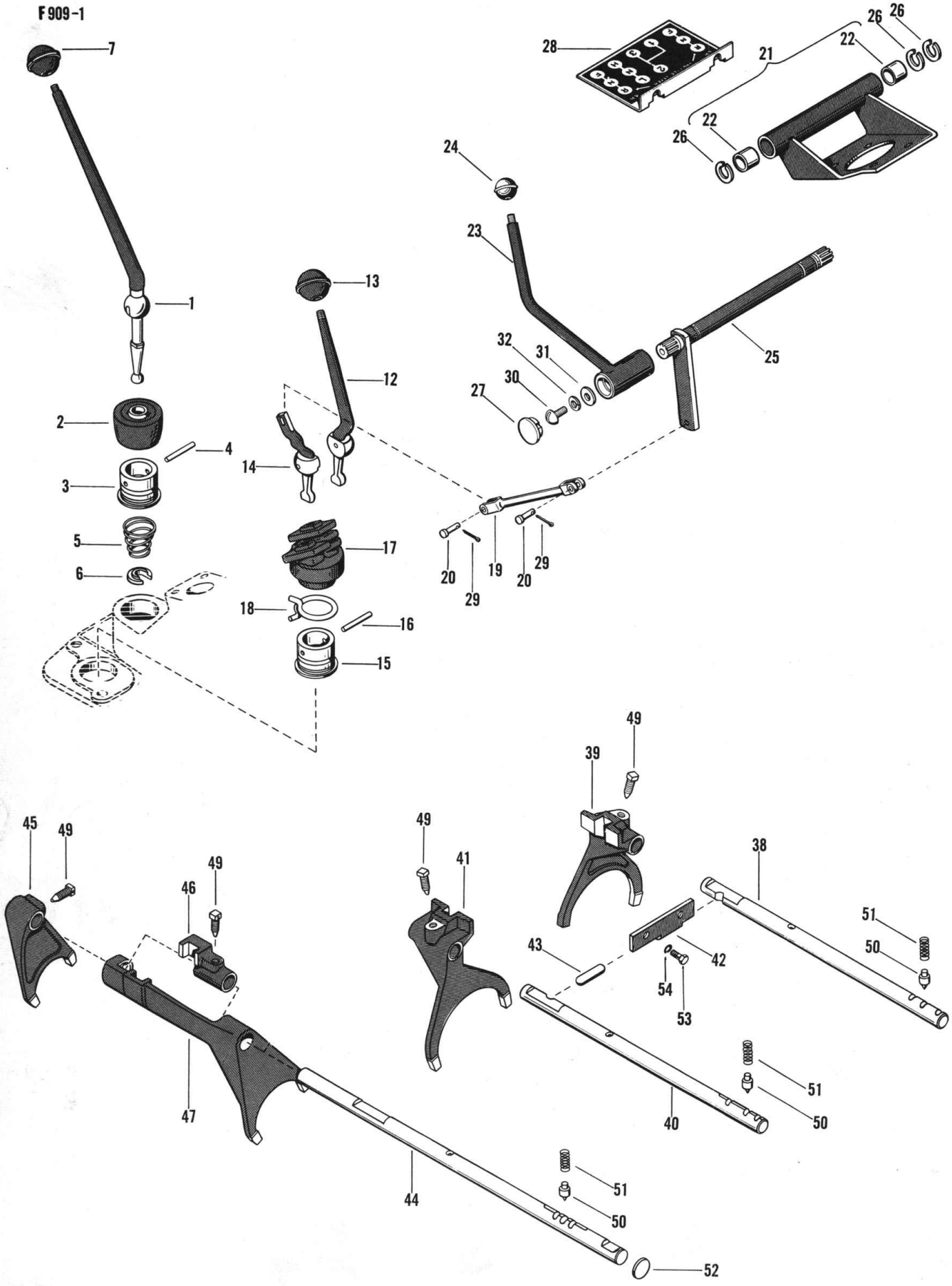

GEAR SHIFT

MANUAL SHUTTLE TRANSMISSION

Ref. No.	Part No.	Description	No. Req.
1	185 805 M1	Lever, Gear Shift	1
2	180 579 M3	Cover, Dust (Rubber)	1
3	180 447 M1	Cup, Gear Shift Lever	1
4	180 581 M1	Pin, Lever to Cup (1/4 x 1-3/4")	1
5	192 007 M1	Spring, Gear Shift Lever	1
6	180 583 M1	Seat, Gear Shift Lever Spring	1
7	180 006 M1	Ball, Gear Shift Lever	1
12	190 687 M1	Lever, Planetary Shift	1
13	180 006 M1	Ball, Planetary Shift Lever	1
14	192 513 M1	Lever, Shuttle Shift, Lower	1
15	189 907 M1	Cup, Shift Levers	1
16	180 581 M1	Pin, Shift Levers Retaining (1/4 x 1-3/4")	1
17	190 697 M1	Cover, Shift Levers (Rubber Boot)	1
18	832 826 M1	Clamp, Shift Levers Cover	1
19	192 515 M1	Rod, Shuttle Shift Linkage	1
20	354 187 X1	Pin, Clevis, Shift Linkage Rod	2
21	192 520 M91	Bracket Assembly, Upper Shift Lever	1
22	832 967 M1	Bearing, Bracket (3/4 x 7/8 x 3/4")	2
23	192 517 M91	Lever Assembly, Shuttle Shift, Upper	1
24	190 696 M1	Ball, Upper Shift Lever	1
25	192 326 M91	Shaft Assembly, Gear Shift Pivot	1
26	22 042 X	Ring, Snap, Pivot Shaft	3
27	359 391 X1	Plug, Shaft End	1
28	192 479 M1	Plate, Gear Shift Data	1
29	354 039 X1	Cotter Pin (1/16 x 1/2")	2
30	353 996 X1	Screw, Lever Retaining (5/16 x 3/4" NC, Rd. Hd.)	1
31	353 756 X1	Washer (5/16" Small Flat)	1
32	353 446 X1	Washer (5/16" Lock)	1
38	180 438 M2	Rail, Shifter, 2nd and 3rd	1
39	189 912 M1	Fork, Shifter, 2nd and 3rd	1
40	180 442 M2	Rail, Shifter, 1st	1
41	189 913 M1	Fork, Shifter, 1st	1
42	180 453 M1	Plate, Lever Stop	1
43	180 457 M1	Pin, Selector Lock	1
44	190 658 M1	Rail, Planetary Shifter	1
45	180 443 M1	Fork, Planetary Shifter	1
46	189 914 M1	Selector, Planetary Shifter	1
47	189 916 M2	Fork, Shuttle Shifter	1
49	881 144 M1	Screw, Fork Lock (3/8" NF, Dog Pt., Sq. Hd.)	4
50	180 418 M1	Plunger, Rail Selector Lock	3
51	191 221 M1	Spring, Plunger	3
52	2 950 X	Plug (1" Expansion)	1
53	353 690 X1	Bolt (3/8 x 7/8" NC, Hex.)	2
54	353 434 X1	Washer (3/8" Lock)	2

MANUAL SHUTTLE TRANSMISSION

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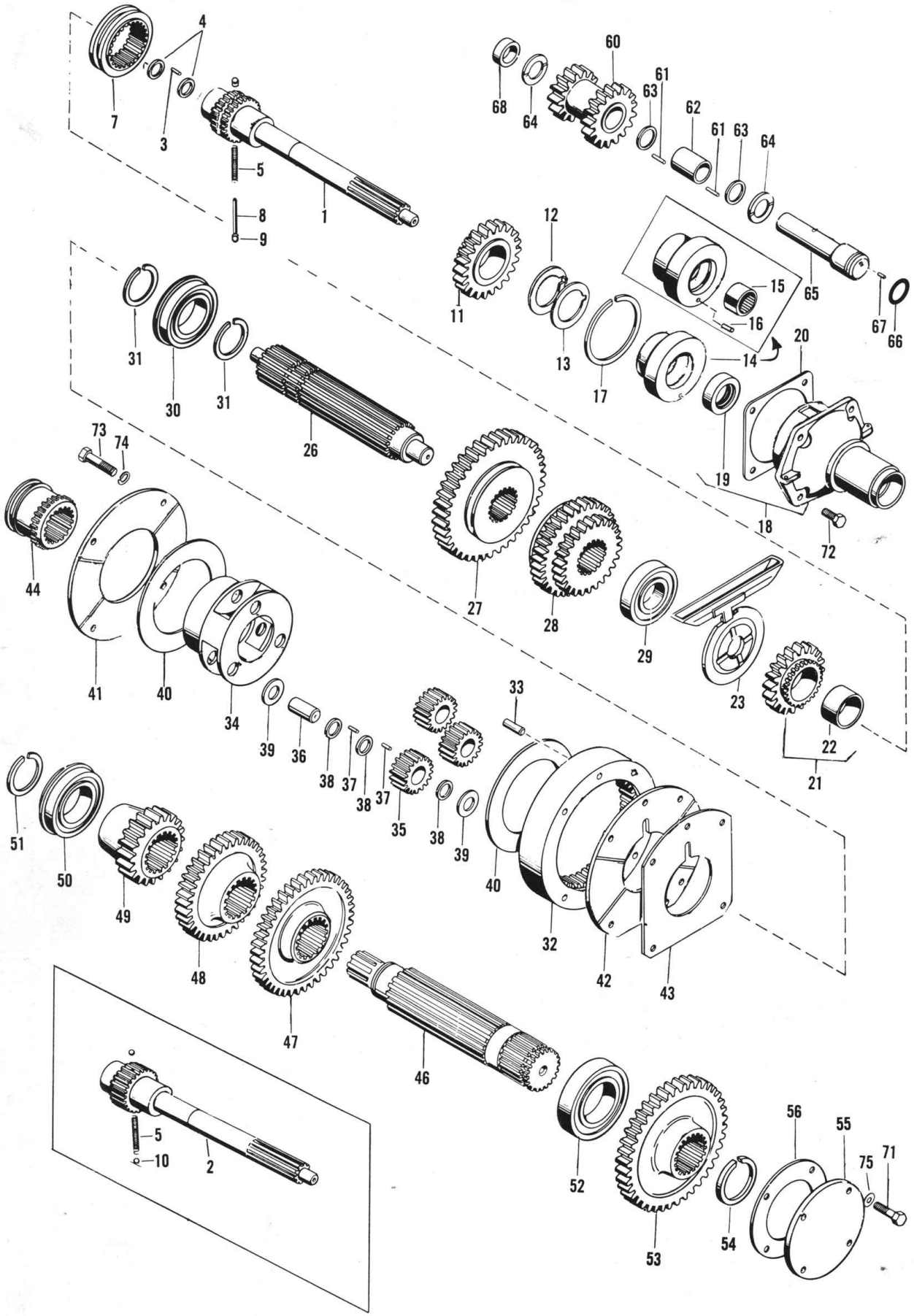


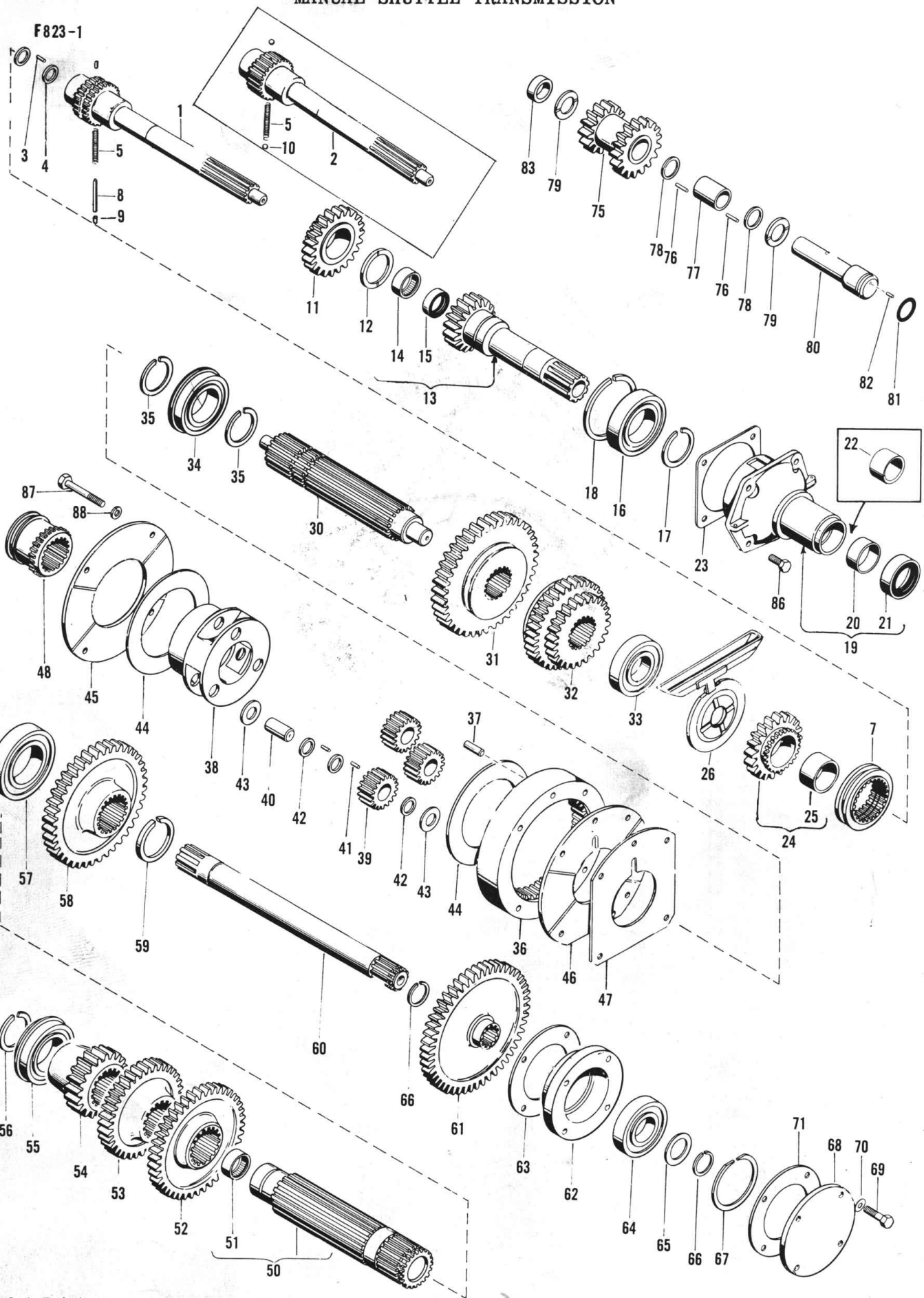
MANUAL SHUTTLE TRANSMISSION

SINGLE CLUTCH

Ref. No.	Part No.	Description	No. Req.
1 (A)	193 889 M1	Shaft, Power Input	1
2 (B)	189 921 M2	Shaft, Power Input (Order 1 - 193 889 M1 & 1 - 193 888 M1)	1
3	832 908 M1	Roller, Needle Bearing	23
4	191 728 M1	Spacer, Roller (1-1/16 x 1-5/16 x 3/32")	2
5	190 114 M1	Spring, Detent	1
	507 601 M91	Collar Assembly, Shifter	1
7	189 951 M2	Collar, Shifter (Order 507 601 M91)	1
8 (A)	193 888 M2	Guide, Detent Spring	1
9 (C)	506 932 M1	Detent, Shift	2
10 (D)	16 772 X	Ball, Detent (3/16" Dia.) (Order 2 - 506 932 M1)	2
11	189 952 M93	Pinion Assembly, Reverse (22 Teeth)	1
12	190 143 M2	Washer, Thrust (1-3/4 x 2-1/2 x 1/16")	1
13	193 304 M1	Shim (.010" to .012")	x
13	193 305 M1	Shim (.020" to .022")	x
13	193 306 M1	Shim (.030" to .032")	x
13	193 307 M1	Shim (.040" to .042")	x
13	194 251 M1	Shim (.050" to .052")	x
14	189 905 M92	Spacer Assembly	1
15	832 909 M1	Bearing, Needle	1
16	357 627 X1	Pin, Spacer Locating (3/16 x 9/16" Groove)	1
17	358 890 X1	Ring, Snap, Spacer Retaining	1
18	190 602 M93	Housing Assembly, Power Input Shaft	1
19	22 623 X	Seal, Oil (1-1/8 x 2 x 7/16")	1
20	180 434 M1	Gasket, Housing	1
21	189 954 M92	Pinion Assembly, Forward (20 Teeth)	1
22	190 308 M2	Bushing (1-7/8 x 2-1/64 x 1-1/32")	1
23	193 296 M92	Spacer Assembly, w/Trough	1
26	189 989 M1	Shaft, Main	1
27	189 923 M1	Gear, 1st Speed (39 Teeth)	1
28	189 928 M1	Gear, 2nd and 3rd Speed (26 and 34 Teeth)	1
29	831 469 M1	Bearing, Main Shaft, Front	1
30	195 493 M1	Bearing, Main Shaft, Rear	1
31	195 363 M1	Ring, Snap, Rear Bearing	2
32	180 405 M1	Gear, Planetary Ring (54 Teeth)	1
33	180 409 M1	Pin, Ring Gear Locating	2
34	180 484 M91	Carrier Assembly, Planetary Pinion	1
35	180 406 M1	Pinion, Planetary (28 Teeth)	3
36	180 413 M1	Shaft, Pinion	3
37	180 410 M1	Roller, Needle Bearing (22 per Path)	132
38	180 411 M1	Washer, Roller Spacer (3/4 x 1 x 3/16")	9
39	180 412 M1	Washer, Pinion Thrust (3/4 x 1-3/8 x 1/32")	6
40	180 414 M1	Washer, Ring Gear Thrust (4-1/8 x 5-3/4 x 1/16")	2
41	184 012 M2	Plate, Planetary Cover, Rear	1
42	180 408 M2	Plate, Planetary Cover, Front	1
43	184 011 M1	Shim, Front	1
44	180 435 M1	Coupler, Planetary Shift	1
46	190 152 M1	Countershaft	1
47	189 924 M1	Gear, 3rd Speed (42 Teeth)	1
48	189 929 M1	Gear, 2nd Speed (36 Teeth)	1
49	189 931 M1	Gear, 1st Speed (20 Teeth)	1
50	832 519 M1	Bearing, Countershaft, Rear	1
51	195 363 M1	Ring, Snap, Rear Bearing	1
52	831 187 M1	Bearing, Countershaft, Front	1
53	190 660 M1	Gear, Countershaft Constant Mesh (40 Teeth)	1
54	195 499 M1	Ring, Snap, Constant Mesh Gear	1
55 (E)	180 433 M1	Cap, Front	1
55 (F)	894 596 M1	Cap, Front	1
56	181 237 M1	Gasket, Cap	1
60	189 927 M1	Gear, Reverse Idler (14 and 17 Teeth)	1
61	832 911 M1	Roller, Needle Bearing (23 per Path)	46
62	361 317 X1	Spacer, Roller (1 x 1-1/8 x 1-1/2")	1
63	191 728 M1	Washer, Roller Retainer	2
64	189 904 M1	Washer, Thrust (1 x 1-5/8 x 5/32")	2
65	189 922 M2	Shaft, Reverse Idler Gear	1
66	832 650 M1	"O" Ring, Shaft	1
67	363 794 X1	Pin (3/16 x 3/8" Roll)	1
68	189 902 M1	Sleeve, Idler Shaft (1 x 1-15/16 x 27/64")	1
71	353 689 X1	Bolt (3/8 x 3/4" NC, Hex.)	4
72	353 690 X1	Bolt (3/8 x 7/8" NC, Hex.)	4
73	354 270 X1	Bolt (3/8 x 2-5/8" NC, Hex.)	4
74	353 434 X1	Washer (3/8" Lock)	4
75	376 433 X1	Washer (3/8" Special Flat) (Used w/894 596 M1)	4

Notes: (A) - Used Tractor Serial Number 698 714 and up.
(B) - Used prior to Tractor Serial Number 698 714.
(C) - Used Tractor Serial Number 709 189 and up.
(D) - Used prior to Tractor Serial Number 709 189.
(E) - Used some Transmissions. Cap is 1/4" Thick Steel Plate.
(F) - Used Some Transmissions. Cap is 1/16" Thick formed Sheet Metal. For Repairs order 180 433 M1, Cap.

MANUAL SHUTTLE TRANSMISSION



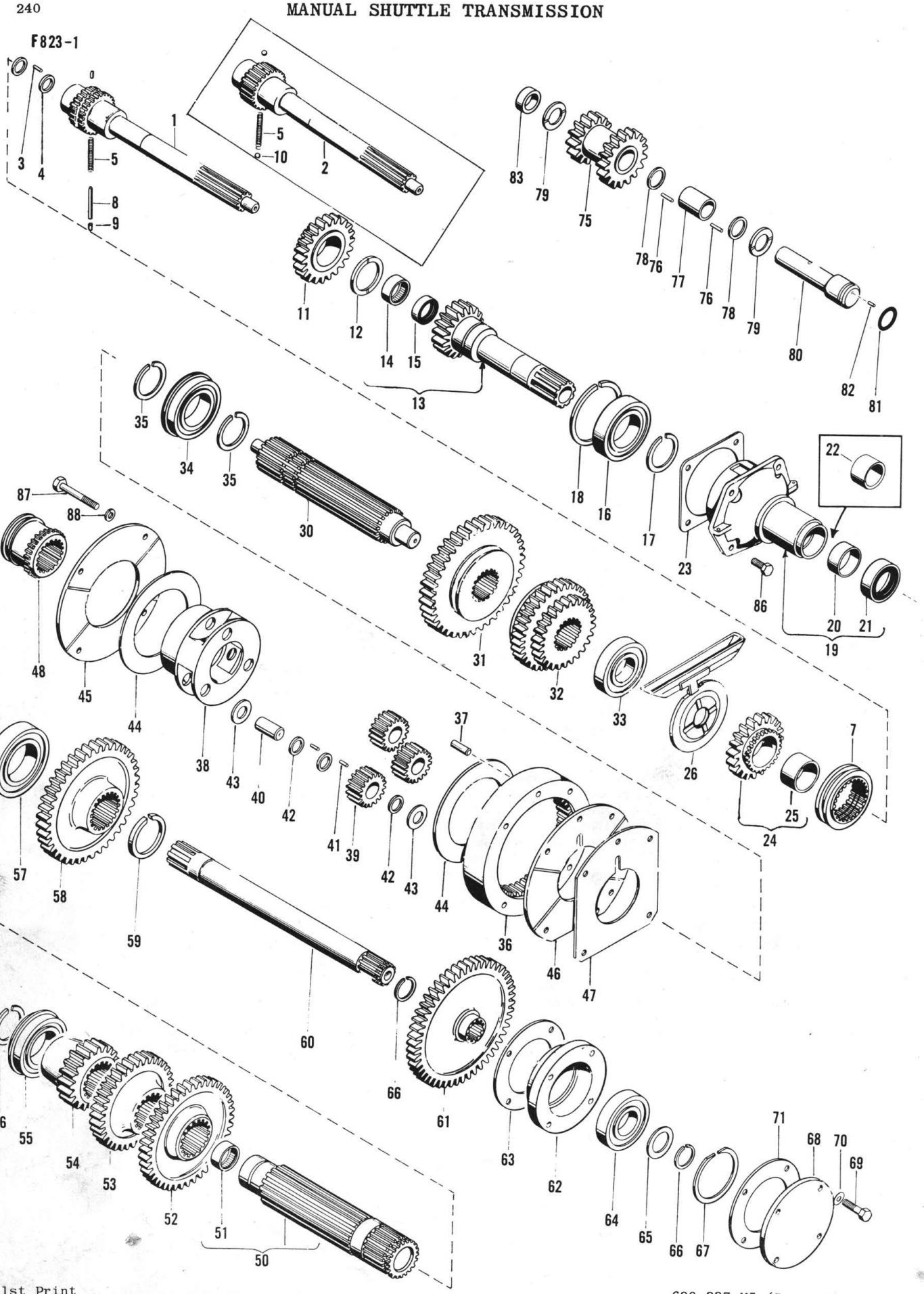
MANUAL SHUTTLE TRANSMISSION

DUAL CLUTCH

Ref. No.	Part No.	Description	No. Req.
1 (A)	193 889 M1	Shaft, Power Input	1
2 (B)	189 921 M1	Shaft, Power Input (Order 1 - 193 889 M1 & 1 - 193 888 M1)	1
3	832 908 M1	Roller, Needle Bearing	23
4	191 728 M1	Spacer, Roller (1-1/16 x 1-5/16 x 3/32")	2
5	190 114 M1	Spring, Detent	1
	507 601 M91	Collar Assembly, Shifter	1
7	189 951 M1	Collar, Shifter (Order 507 601 M91)	1
8 (A)	193 888 M2	Guide, Detent Spring	1
9 (C)	506 932 M1	Detent, Shift	2
10 (D)	16 772 X	Ball, Detent (3/16" Dia.)(Order 2 - 506 932 M1)	2
11	189 952 M93	Pinion Assembly, Reverse (22 Teeth)	1
12	189 901 M2	Washer, Thrust (.059" to .062")	x
12	194 224 M1	Washer, Thrust (.069" to .072")	x
12	194 225 M1	Washer, Thrust (.079" to .082")	x
12	194 226 M1	Washer, Thrust (.089" to .092")	x
12	194 227 M1	Washer, Thrust (.099" to .102")	x
12	194 228 M1	Washer, Thrust (.109" to .112")	x
13	189 925 M92	Pinion Assembly, P.T.O. Drive	1
14	832 909 M1	Bearing, Needle	1
15	832 205 M1	Seal, Oil	1
16	833 646 M1	Bearing, P.T.O. Drive Pinion	1
17	762 101 M1	Ring, Snap, Bearing to Pinion	1
18	358 890 X1	Ring, Snap, Bearing to Housing	1
19	189 910 M93	Housing Assembly, Power Input Shaft	1
20		Bushing (See Item 22)	1
21	192 329 M1	Seal, Oil	1
22 (E)	511 825 M1	Bushing (1-39/64 x 1-3/4 x 3/4")	1
23	180 434 M1	Gasket, Housing	1
24	189 954 M92	Pinion Assembly, Forward (20 Teeth)	1
25	190 308 M2	Bushing (1-7/8 x 2-1/64 x 1-1/32")	1
26	193 296 M92	Spacer Assembly, w/Trough	1
30	189 989 M1	Shaft, Main	1
31	189 923 M1	Gear, 1st Speed (39 Teeth)	1
32	189 928 M1	Gear, 2nd and 3rd Speed (26 and 34 Teeth)	1
33	831 469 M1	Bearing, Main Shaft, Front	1
34	195 493 M1	Bearing, Main Shaft, Rear	1
35	195 363 M1	Ring, Snap, Rear Bearing	2
36	180 405 M1	Gear, Planetary Ring (54 Teeth)	1
37	180 409 M1	Pin, Ring Gear Locating	2
38	180 484 M91	Carrier Assembly, Planetary Pinion	1
39	180 406 M1	Pinion, Planetary (28 Teeth)	3
40	180 413 M1	Shaft, Pinion	3
41	180 410 M1	Roller, Needle Bearing (22 Per Path)	132
42	180 411 M1	Washer, Roller Spacer (3/4 x 1 x 3/16")	9
43	180 412 M1	Washer, Pinion Thrust (3/4 x 1-3/8 x 3/32")	6
44	180 414 M1	Washer, Ring Gear Thrust (4-1/8 x 5-3/4 x 1/16")	2
45	184 012 M2	Plate, Planetary Cover, Rear	1
46	180 408 M2	Plate, Planetary Cover, Front	1
47	184 011 M1	Shim, Front	1
48	180 435 M1	Coupler, Planetary Shift	1

Notes: (A) - Used Tractor Serial Number 698 714 and up.
(B) - Used prior to Tractor Serial Number 698 714.
(C) - Used Tractor Serial Number 709 189 and up.
(D) - Used prior to Tractor Serial Number 709 189.
(E) - May be used to replace Production Bushing in 189 910 M93, Housing Assembly, If Housing bore does not exceed 1.7505". If the Housing bore is larger than 1.7505" the complete Assembly 189 910 M93 must be installed.

MANUAL SHUTTLE TRANSMISSION

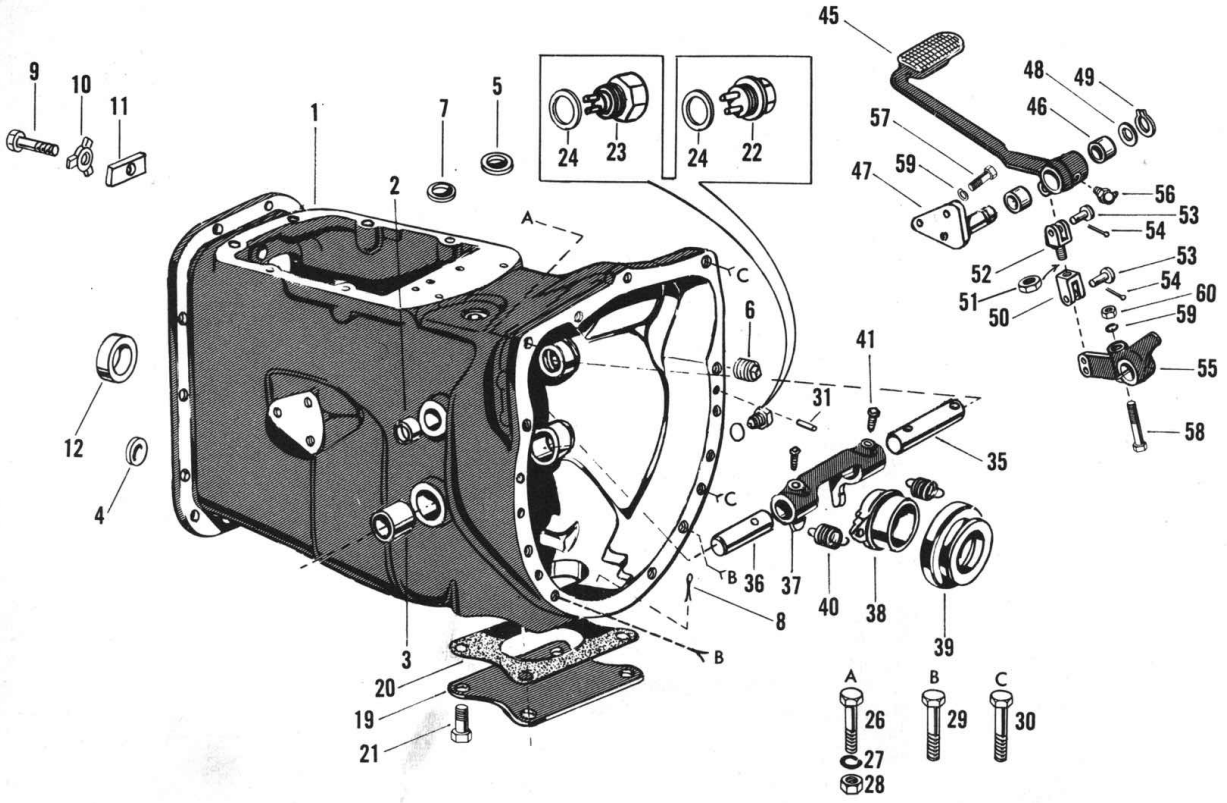


DUAL CLUTCH

Ref. No.	Part No.	Description	No. Req.
50	189 932 M91	Countershaft Assembly	1
51	195 453 M1	Bearing, Needle	1
52	189 924 M1	Gear, 3rd Speed (42 Teeth)	1
53	189 929 M1	Gear, 2nd Speed (36 Teeth)	1
54	189 931 M1	Gear, 1st Speed (20 Teeth)	1
55	832 519 M1	Bearing, Countershaft, Rear	1
56	195 363 M1	Ring, Snap, Rear Bearing Retaining	2
57	831 187 M1	Bearing, Countershaft, Front	1
58	190 660 M1	Gear, Countershaft Constant Mesh (40 Teeth)	1
59	195 499 M1	Ring, Snap, Constant Mesh Gear	1
60	188 846 M1	Shaft, P.T.O. Drive	1
61	188 637 M1	Gear, P.T.O. Constant Mesh (50 Teeth)	1
62	188 808 M1	Housing, Front P.T.O. Shaft Bearing	1
63	180 432 M1	Gasket, Housing	1
64	195 502 M2	Bearing, P.T.O. Shaft, Front	1
65	189 272 M1	Washer, Spacer	1
66	195 038 M1	Ring, Snap	2
67	195 512 M1	Ring, Snap, Bearing to Housing	1
68 (A)	180 433 M1	Cap, Bearing Housing	1
68 (B)	894 596 M1	Cap, Bearing Housing	1
69 (C)	354 261 X1	Bolt (3/8 x 1-3/8" NC, Hex.)	4
69 (D)	353 693 X1	Bolt (3/8 x 1-1/4" NC, Hex.)	4
70 (D)	376 433 X1	Washer, Cap Bolt (3/8" Special Flat)	4
71	181 237 M1	Gasket, Cap	1
75	189 927 M1	Gear, Reverse Idler (14 and 17 Teeth)	1
76	832 911 M1	Roller, Needle Bearing (23 per Path)	46
77	361 317 X1	Spacer, Roller (1 x 1-1/8 x 1-1/2")	1
78	191 728 M1	Washer, Roller Retainer	2
79	189 904 M1	Washer, Thrust (1 x 1-5/8 x 3/32")	2
80	189 922 M2	Shaft, Reverse Idler Gear	1
81	832 650 M1	"O" Ring	1
82	363 794 X1	Pin (3/16 x 3/8" Roll)	1
83	189 902 M1	Sleeve, Idler Shaft	1
86	353 690 X1	Bolt (3/8 x 7/8" NC, Hex.)	4
87	354 270 X1	Bolt (3/8 x 2-5/8" NC, Hex.)	4
88	353 434 X1	Washer (3/8" Lock)	4

Notes: (A) - Used some Transmissions, Cap is 1/4" Thick Steel Plate.
(B) - Used some Transmissions, Cap is 1/16" Thick formed Sheet Metal. For Repairs order (1) 180 433 M1, Cap and (4) 354 261 X1, Bolts.
(C) - Used with 180 433 M1, Cap.
(D) - Used with 894 596 M1, Cap.

F903 -2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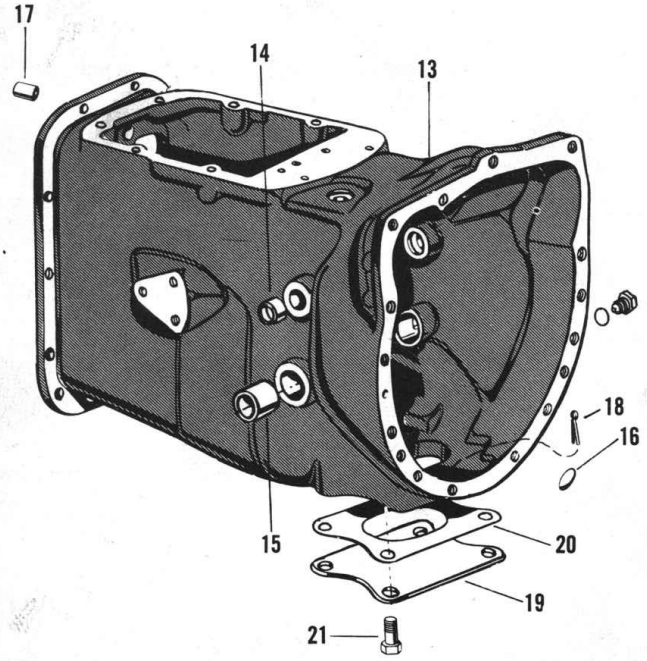
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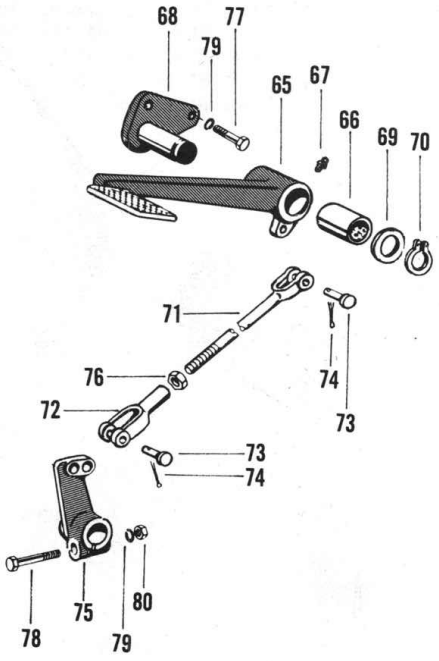
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TRANSMISSION CASE AND CLUTCH CONTROLS

Ref. No.	Part No.	Description	No. Req.
1	880 309 M91	Case Assembly, Regular and Multi-Power Transmission	1
2	184 592 M1	Bushing, Clutch Shaft (1 x 1-1/16 x 3/4")	2
3	180 801 M1	Bushing, Brake Shaft (1-3/8 x 1-1/2 x 1-7/16")	2
4	183 071 M1	Plug, Expansion (9/16" Cup Type)	1
5	894 683 M1	Plug, Expansion (1-1/16" Cup Type)	2
6 (A)	894 684 M1	Plug (1" - 12, Special Taper, Sq. Hd.)	1
7 (A)	894 685 M1	Plug, Expansion (1/2" Cup Type)	1
8	354 076 X1	Cotter Pin, Transmission Drain Hole (3/16 x 1")	1
9	353 690 X1	Bolt, Reverse Shaft Stop (3/8 x 7/8" NC, Hex.)	1
10	828 020 X1	Washer, Tab Lock, Stop Bolt	1
11	184 789 M1	Stop, Reverse Idler Shaft	1
12	189 449 M1	Spacer, Reverse Idler Gear	1
13	189 930 M91	Case Assembly, Manual Shuttle Transmission	1
14	184 592 M1	Bushing, Clutch Shaft (1 x 1-1/16 x 3/4")	2
15	180 801 M1	Bushing, Brake Shaft (1-3/8 x 1-1/2 x 1-7/16")	2
16	183 071 M1	Plug, Expansion (9/16" Cup Type)	1
17	189 902 M1	Sleeve, Reverse Idler Shaft (1 x 1-15/16 x 27/64")	1
18	354 076 X1	Cotter Pin, Transmission Drain Hole (3/16 x 1")	1
19	180 482 M1	Cover, Transmission Case, Bottom	1
20	180 481 M1	Gasket, Bottom Cover	1
21	353 901 X1	Bolt, Bottom Cover (5/8 x 1-1/4" NC, Hex.)	4
22 (B)	894 014 M2	Plug, Drain (Magnetic) (w/11/16" Hex. Hd.)	1
23 (B)	195 466 M1	Plug, Drain (Magnetic) (w/1-1/16" Hex. Hd.)(Order 894 014 M2)	1
24	180 474 M1	Gasket, Drain Plug	1
26	353 576 X1	Bolt (7/16 x 3-1/8" NF, Hex.) (Diesel)	1
26	353 708 X1	Bolt (7/16 x 2-1/8" NC, Hex.) (Gas and L.P.)	1
27	353 432 X1	Washer (7/16" Lock) (Gas, L.P. and Diesel)	1
28	353 426 X1	Nut (7/16" NF, Hex.) (Diesel)	1
28	355 645 X1	Nut (7/16" NC, Hex.) (Gas and L.P.)	1
29	353 714 X1	Bolt (7/16 x 3" NC, Hex.) (Diesel)	4
29	353 700 X1	Bolt (7/16 x 1-1/4" NC, Hex.) (Gas and L.P.)	4
30	353 707 X1	Bolt (7/16 x 2-1/8" NC, Hex.) (Diesel)	7
30	353 705 X1	Bolt (7/16 x 1-7/8" NC, Hex.) (Gas and L.P.)	7
31	191 314 M1	Pin, Dowel, Engine to Transmission	2
35	180 444 M1	Shaft, Clutch (1" Dia. x 5-17/32")	1
36	180 449 M1	Shaft, Clutch (1" Dia. x 3-19/32")	1
37	184 628 M1	Fork, Clutch Release (Dual Clutch)	1
37	180 452 M1	Fork, Clutch Release (Single Clutch)	1
38	180 448 M3	Carrier, Clutch Release Bearing (1-27/32" Wide) (Used w/833 084 M1 or 833 085 M1 Bearing)	1
39	833 084 M1	Bearing, Clutch Release (Dual Clutch) (.885" Wide) (Aetna #A-2287-17) (Used w/180 448 M3 Carrier)	1
39	833 085 M1	Bearing, Clutch Release (Single Clutch) (1.526" Wide) (Aetna #A-2336-37) (Used w/180 448 M3 Carrier)	1
38	183 129 M2	Carrier, Clutch Release Bearing (2" Wide) (Used w/892 862 M1 or 894 303 M1 Bearing)	1
39	892 862 M1	Bearing, Clutch Release (Dual Clutch) (.87" Wide) (Hoffman #N-1660-K) (Used w/183 129 M2 Carrier) UTILITY	1
39	894 303 M1	Bearing, Clutch Release (Single Clutch) (1.53" Wide) (Hoffman #N-1697-A) (Used w/183 129 M2 Carrier)	1
40	193 334 M1	Spring, Clutch Release	2
41	881 144 M1	Screw, Fork (3/8 x 1-1/4" NF, Dog Pt. Sq. Hd.)	2

Notes: (A) - Required with Regular Transmission only.
(B) - Alternate Parts. Check carefully before ordering.

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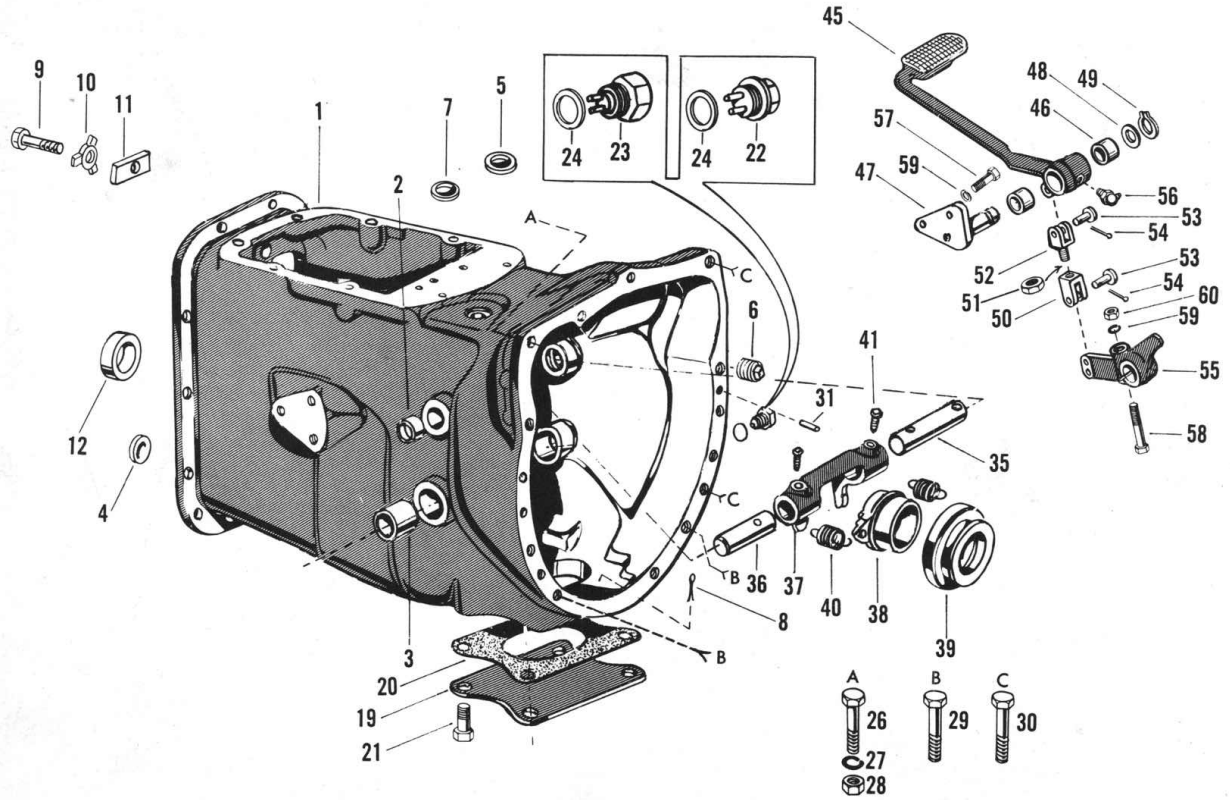
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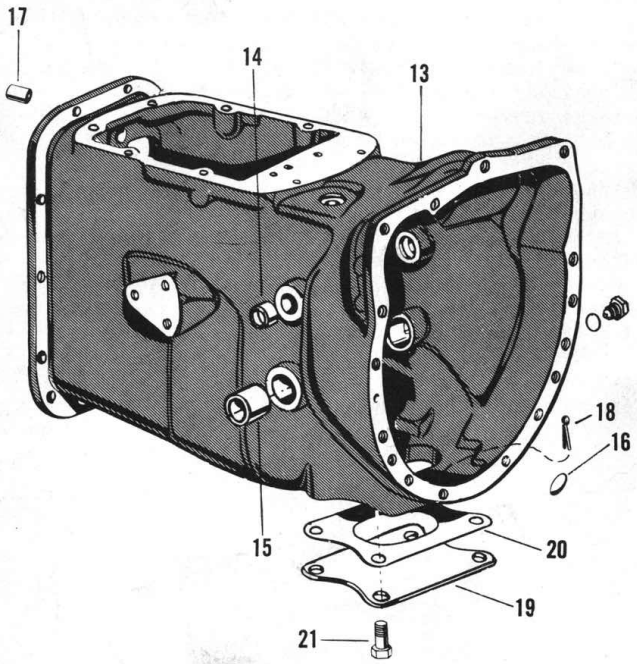
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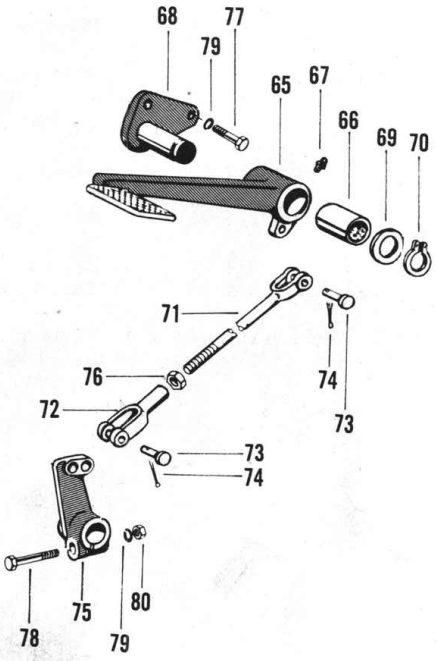
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(USED HI-CLR. AND LO-CLR. TRACTORS)

Ref. No.	Part No.	Description	No. Req.
45	192 436 M91	Pedal Assembly, Clutch	1
46	184 592 M1	Bushing (1 x 1-1/16 x 3/4")	2
47	184 575 M91	Pivot Assembly, Clutch Pedal	1
48	184 580 M1	Washer, Pivot Pin (1 x 1-1/2 x 5/64")	1
49	352 438 X1	Ring, Snap, Clutch Pedal Retaining	1
50	192 422 M1	Clevis, Female Half	1
51	353 430 X1	Nut, Clevis (3/8" NF, Half Hex.)	1
52	192 678 M1	Clevis, Male Half	1
53	354 189 X1	Pin, Clevis	2
54	354 048 X1	Cotter Pin (3/32 x 3/4")	2
55	192 430 M2	Arm, Clutch Release	1
56	850 778 M1	Grease Fitting (1/4" - 28, 90°)	1
57	353 699 X1	Bolt (7/16 x 1-1/8" NC, Hex.)	3
58	353 571 X1	Bolt (7/16 x 2-1/2" NF, Hex.)	1
59	353 432 X1	Washer (7/16" Lock)	4
60	353 426 X1	Nut (7/16" NF, Hex.)	1

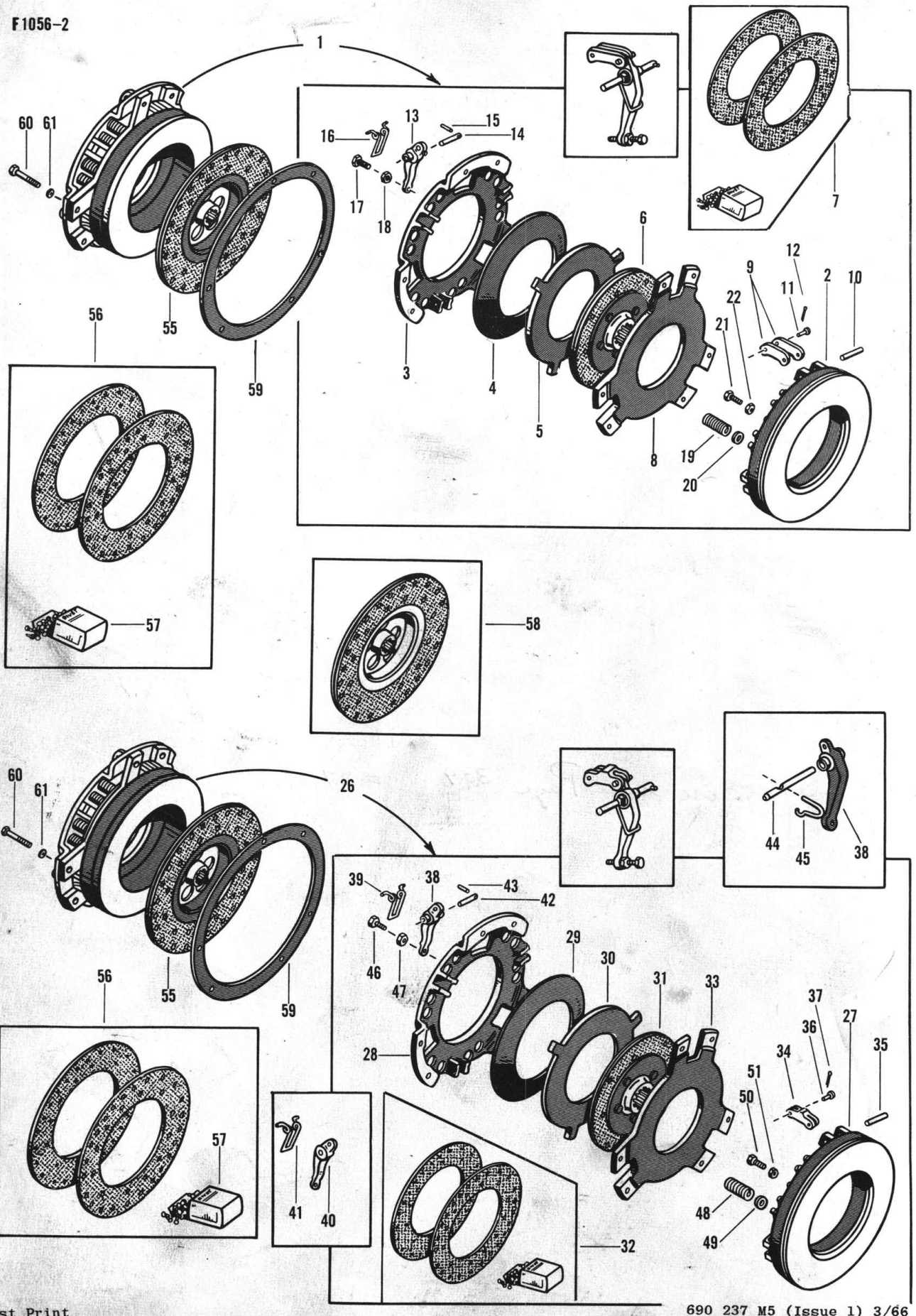
(USED UTILITY AND ORCHARD TRACTORS)

65	184 585 M91	Pedal Assembly, Clutch	1
66	184 592 M1	Bushing (1 x 1-1/16 x 3/4")	1
67	MP 1 056	Grease Fitting (1/8" P.T., Str.)	1
68	184 575 M91	Pivot Assembly, Clutch Pedal	1
69	184 580 M1	Washer, Pivot Pin (1 x 1-1/2 x 5/64")	1
70	352 438 X1	Ring, Snap, Clutch Pedal Retaining	1
71	184 578 M91	Rod Assembly, Clutch Pedal to Arm	1
72	195 270 M1	Clevis, Clutch Rod	1
73	832 813 M1	Pin, Clevis	2
74	354 059 X1	Cotter Pin (1/8 x 1")	2
75	184 579 M1	Arm, Clutch Release	1
76	353 430 X1	Nut (3/8" NF, Half Hex.)	1
77	353 699 X1	Bolt (7/16 x 1-1/8" NC, Hex.)	3
78	353 569 X1	Bolt (7/16 x 2-1/4" NF, Hex.)	1
79	353 432 X1	Washer (7/16" Lock)	4
80	353 426 X1	Nut (7/16" NF, Hex.)	1

#47 - also see Page 309 #27

DUAL CLUTCH

F1056-2



Ref. No.	Part No.	Description	No. Req.
1 (A)	193 931 M92	Cover Assembly, Clutch (Order 512 356 M91, See Page 249).....	1
2	1 753 749 M1	Plate, Pressure (11") (Order 1 - 1 031 853 M1 and 6 - 1 031 854 M1, See Page 249).....	1
3	1 753 747 M2	Cover, Clutch.....	1
4	1 753 744 M1	Spring, Pressure (9" Belleville).....	1
5	1 753 743 M1	Plate, Pressure (9").....	1
6	1 753 753 M92	Disc Assembly, Clutch (9").....	1
7	835 830 M91	Facing Kit.....	1
8	1 753 748 M1	Plate, Flywheel.....	1
9	1 024 251 M1	Link, Release Lever.....	6
10	1 024 252 M1	Pin, Link to Pressure Plate (Order 1 - 1028 657 M1 and 1 - 1 028 658 M1, See Page 249).....	3
11	1 753 965 M2	Pin, Link to Lever (7/16 x 7/8" Clevis).....	3
12	354 046 X1	Cotter Pin (3/32 x 1/2").....	6
13	1 754 681 M2	Lever, Clutch Release.....	3
14	1 753 752 M2	Pin, Release Lever Pivot (5/16 x 2-11/16").....	3
15	1 754 187 M1	Pin, Pivot Pin Retaining (1/8" Groove).....	3
16	1 022 902 M1	Spring, Release Lever.....	3
17	1 753 964 M1	Bolt, Release Lever Adjusting (3/8 x 13/16" NF, Special).....	3
18	353 430 X1	Nut, Adjusting Bolt Lock (3/8" NF, Half Hex.).....	3
19	1 753 745 M1	Spring, Pressure (Lavender).....	12
20	1 753 751 M1	Washer, Pressure Spring (35/64 x 7/8 x 3/32").....	12
21	181 124 M1	Bolt, Clutch Bracket (5/16 x 7/8" NF, Special).....	3
22	353 917 X1	Nut, Bracket Bolt (5/16" NF, Half Hex.).....	3
26 (B)	184 543 M94	Cover Assembly, Clutch (Order 512 356 M91, See Page 249).....	1
27	1 753 749 M1	Plate, Pressure (11") (Order 1 - 1 031 853 M1 and 6 - 1 031 854 M1, See Page 249).....	1
28	1 753 747 M2	Cover, Clutch.....	1
29	1 753 744 M1	Spring, Pressure (9" Belleville).....	1
30	1 753 743 M1	Plate, Pressure (9").....	1
31	1 753 753 M92	Disc Assembly, Clutch (9").....	1
32	835 830 M91	Facing Kit.....	1
33	1 753 748 M1	Plate, Flywheel.....	1
34 (C)	1 753 962 M1	Link, Release Lever (See Note "C").....	3
35	181 118 M1	Pin, Link to Pressure Plate (Order 1 028 657 M1).....	3
36	1 753 965 M2	Pin, Link to Lever (7/16 x 7/8" Clevis).....	3
37	354 046 X1	Cotter Pin (3/32 x 1/2").....	3
38 (D)	1 754 681 M2	Lever, Clutch Release (.328" Dia. Hole w/Shoulder).....	3
39 (D)	1 022 902 M1	Spring, Release Lever (5/8" Dia. Pivot Hole).....	3
40 (E)	1 753 960 M1	Lever, Clutch Release (.323" Dia. Hole w/out Shoulder (Order 1 - 1 754 681 M2 and 1 - 1 022 902 M1).....	3
41 (E)	1 753 963 M1	Spring, Release Lever (7/16" Dia. Pivot Hole)(Order 1 - 1 754 681 M2 and 1 - 1 022 902 M1).....	3
42 (F)	1 753 752 M2	Pin, Release Lever Pivot (5/16 x 2-11/16").....	3
43 (F)	1 754 187 M1	Pin, Pivot Pin Retaining (1/8" Groove).....	3
44 (G)	891 826 M1	Pin, Release Lever Pivot (5/16 x 2-11/16").....	3
45 (G)	891 827 M1	Pin, Hair, Pivot Pin Retaining.....	3
46	1 753 964 M1	Bolt, Release Lever Adjusting (3/8 x 13/16" NF, Special).....	3
47	353 430 X1	Nut, Adjusting Bolt Lock (3/8" NF, Half Hex.).....	3
48	1 753 745 M1	Spring, Pressure (Lavender).....	12
49	1 753 751 M1	Washer, Pressure Spring (35/64 x 7/8 x 3/32").....	12
50	181 124 M1	Bolt, Clutch Bracket (5/16 x 7/8" NF, Special).....	3
51	353 917 X1	Nut, Bracket Bolt (5/16" NF, Half Hex.).....	3
55 (H)	193 141 M91	Disc Assembly, Clutch Drive (Agricultural).....	1
56	835 721 M91	Facing Kit.....	1
57	181 127 M1	Rivet, Facing (Order 480 827 M91, 1 lb. Box).....	40
55 (I)	184 542 M91	Disc Assembly, Clutch Drive (Agricultural).....	1
56	830 743 M91	Facing Kit.....	1
57	181 127 M1	Rivet, Facing (Order 480 827 M91, 1 lb. Box).....	36
58	185 892 M94	Disc Assembly, Clutch Drive (Sintered Iron Facing) (Utility).....	1
59	184 558 M1	Ring, Flywheel Ventilating.....	1
60	180 450 M3	Bolt, Clutch to Flywheel (5/16 x 1-3/8" NC, Hex., Special).....	6
61	19 752 X	Washer (5/16" Heavy Lock).....	6

Notes: (A) - Used Tractor Serial Number 703 250 and up.
(B) - Used prior to Tractor Serial Number 703 250.
(C) - For Repairs order 6 of 1 024 251 M1, Link; 3 of 1 028 657 M1, Pin; 3 of 1 028 658 M1, Spacer; 3 of 1 753 752 M2, Pin; 3 of 1 753 965 M2, Pin and 3 of 1 754 681 M2, Lever.
(D) - Used late Production Clutch.
(E) - Used early Production Clutch.
(F) - Used on Clutch Covers manufactured in the U.S.
(G) - Used on Clutch Covers manufactured in the U.K. For Repairs order 1 of 1 753 752 M2, Pin and 1 of 1 754 187 M1, Pin.
(H) - Used Tractor Serial Number 696 393 and up.
(I) - Used prior to Tractor Serial Number 696 393. For Repairs order 193 141 M91.

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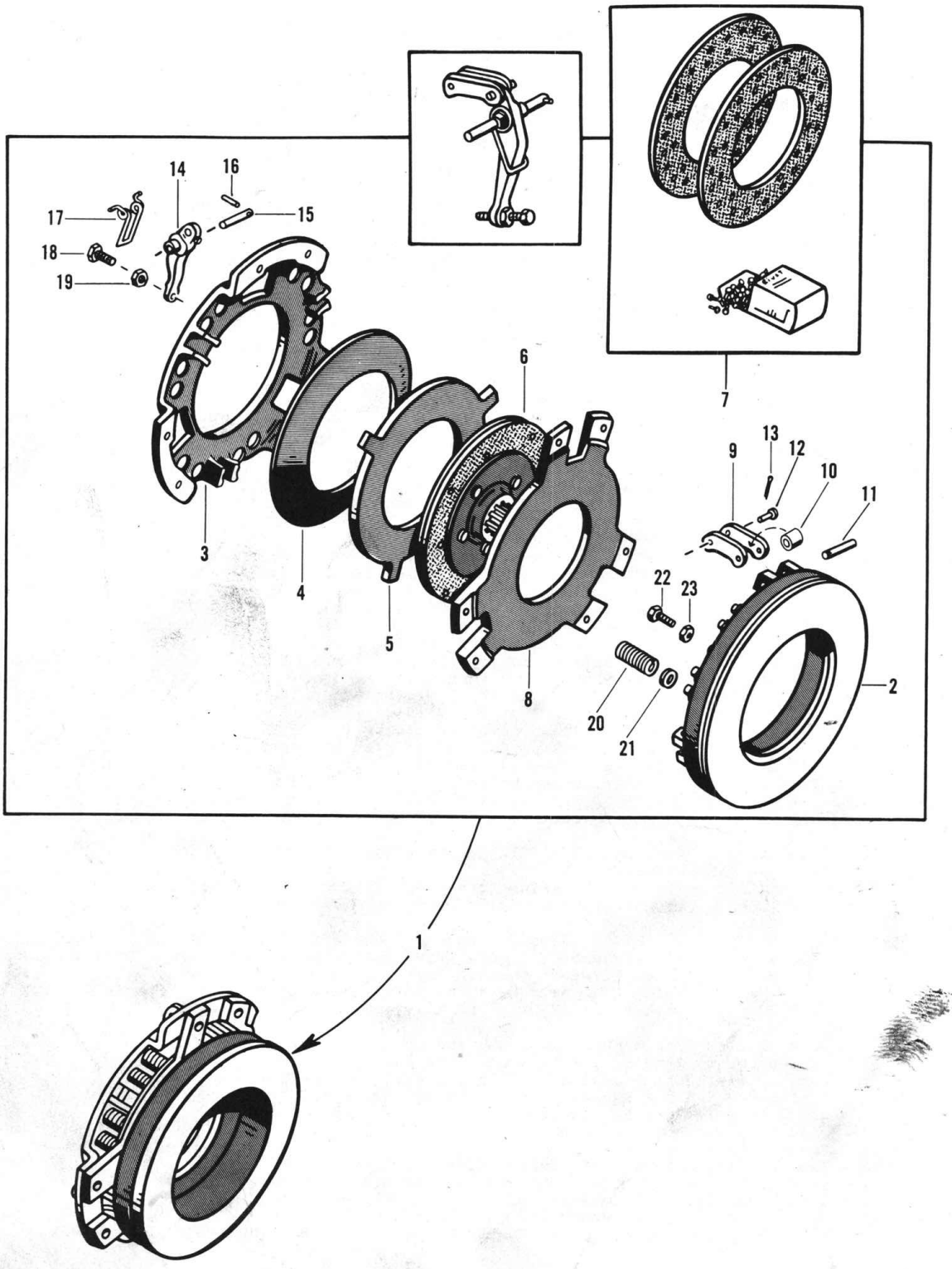


DUAL CLUTCH

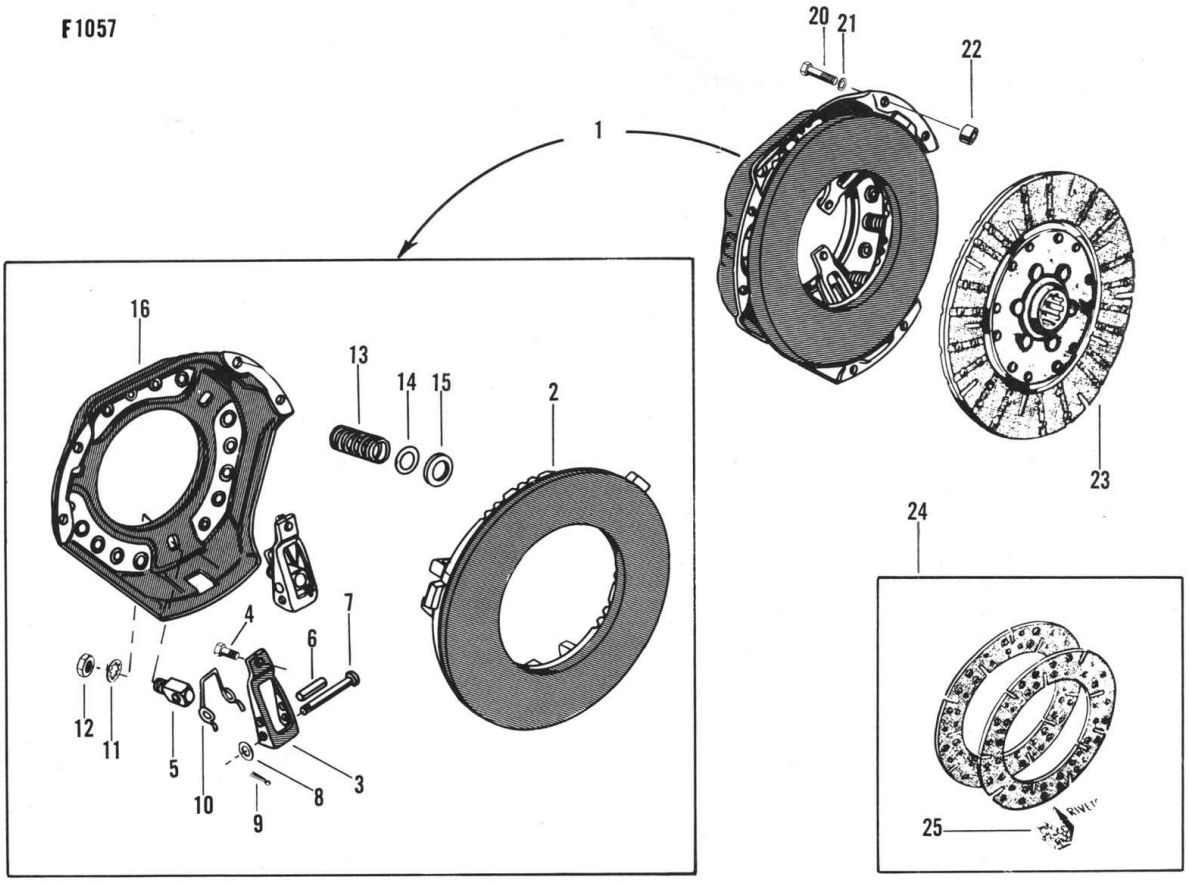
(NEVER USED IN PRODUCTION. USED ONLY AS A SERVICE REPLACEMENT)

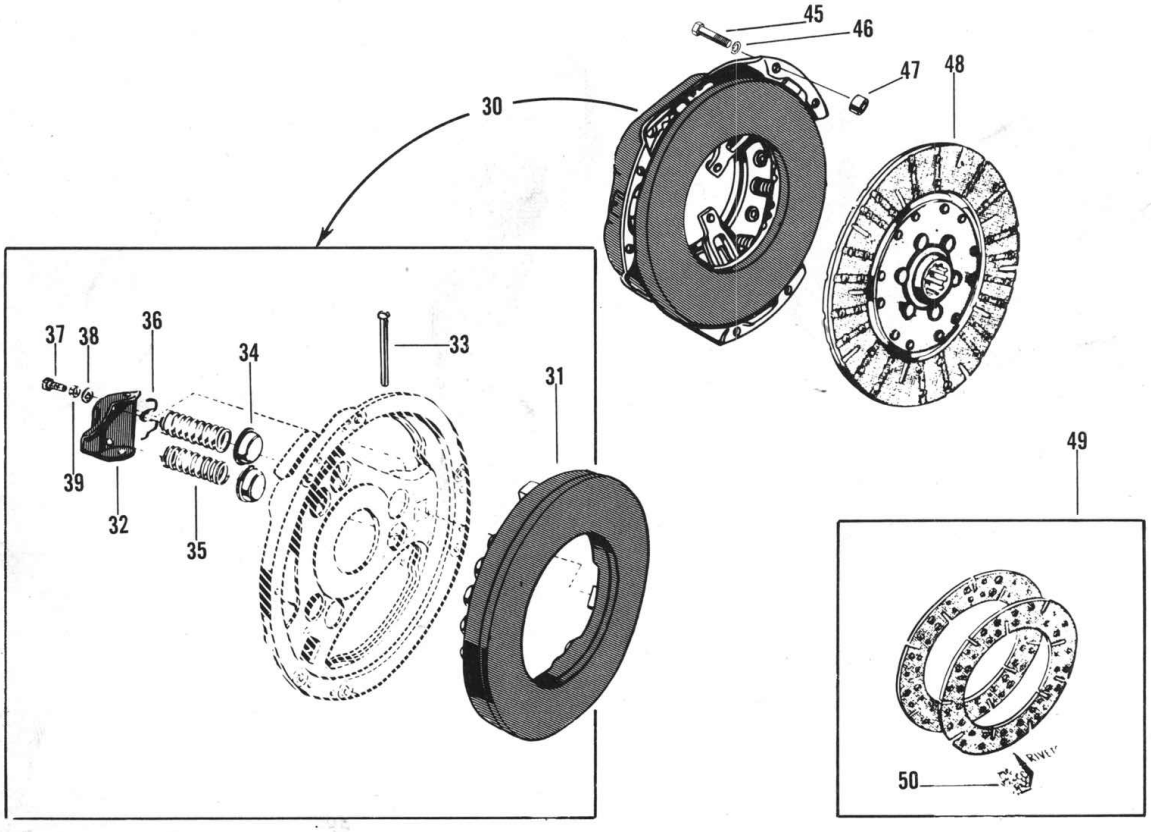
Ref. No.	Part No.	Description	No. Req
1 (A)	512 356 M91	Cover Assembly, Clutch	1
2	1 031 853 M1	Plate, Pressure (11")	1
3	1 753 747 M2	Cover, Clutch	1
4	1 753 744 M1	Spring, Pressure (9" Belleville)	1
5	1 753 743 M1	Plate, Pressure (9")	1
6	1 753 753 M92	Disc Assembly, Clutch (9")	1
7	835 830 M91	Facing Kit	1
8	1 753 748 M1	Plate, Flywheel	1
9	1 031 854 M1	Link, Release Lever	6
10	1 028 658 M1	Spacer, Release Lever Link	3
11	1 028 657 M1	Pin, Link to Pressure Plate	3
12	1 753 965 M2	Pin, Link to Lever (7/16 x 7/8" Clevis)	3
13	354 046 X1	Cotter Pin (3/32 x 1/2")	6
14	1 754 681 M2	Lever, Clutch Release	3
15	1 753 752 M2	Pin, Release Lever Pivot (5/16 x 2-11/16")	3
16	1 754 187 M1	Pin, Pivot Pin Retaining (1/8" Groove)	3
17	1 022 902 M1	Spring, Release Lever	3
18	1 753 964 M1	Bolt, Release Lever Adjusting (3/8 x 13/16" NF, Special)	3
19	353 430 X1	Nut, Adjusting Bolt Lock (3/8" NF, Half Hex.)	3
20	1 753 745 M1	Spring, Pressure (Lavender)	12
21	1 753 751 M1	Washer, Pressure Spring (35/64 x 7/8 x 3/32")	12
22	181 124 M1	Bolt, Clutch Bracket (5/16 x 7/8" NF, Special)	3
23	353 917 X1	Nut, Bracket Bolt (5/16" NF, Half Hex.)	3

Note: (A) - Used as a Service Replacement for Clutch Covers 193 931 M92 and 184 543 M94 listed on Page 247.

SINGLE CLUTCH

F1057





SINGLE CLUTCH

(USED TRACTOR SERIAL NOS. (DIESEL) 689459, (GAS) 689006 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	192 197 M91	Clutch Assembly	1
2	1 021 784 M91	Plate, Pressure	1
3	1 021 945 M91	Lever Assembly, Clutch Release	3
4	1 753 042 M1	Bolt, Lever Adjusting (5/16 x 15/32" NF, Hex., Special)	1
5	1 021 786 M1	Block, Release Lever	3
6	1 753 043 M1	Pin, Release Lever Pivot (3/8 x 1-1/4")	3
7	1 753 044 M1	Pin, Lever Retaining (5/16 x 2-7/32")	3
8	353 755 X1	Washer (5/16" Small Flat)	3
9	354 048 X1	Cotter Pin (3/32 x 3/4")	3
10	1 021 787 M1	Spring, Torsion (Anti-Rattle)	3
11	16 383 X	Washer, Block (9/16" Ext. Skpf.)	3
12	16 394 X	Nut, Block Retaining (9/16" NF, Half Hex.)	3
13	1 021 944 M1	Spring, Pressure (Yellow)	9
14	1 021 788 M1	Washer, Pressure Spring Insulating	9
15	1 752 992 M1	Washer, Pressure Spring Retaining	9
16	1 753 038 M1	Plate, Back	1
20	354 263 X1	Bolt, Clutch (3/8 x 1-5/8" NC, Hex.)	6
21	353 434 X1	Washer (3/8" Lock)	6
22	192 205 M1	Spacer (3/8 x 5/8 x 5/8")	6
23	189 948 M91	Disc Assembly, Clutch	1
24	835 601 M91	Lining Kit, Clutch Facing	1
25	1 020 127 M1	Rivet, Lining	40

(USED PRIOR TO TRACTOR SERIAL NOS. (DIESEL) 689459 AND (GAS) 689006)

30	190 727 M91	Clutch Assembly (Order 1 - 192 197 M91, 6 - 192 205 M1 and 6 - 354 263 X1)	1
31	1 019 293 M1	Plate, Pressure	1
32	1 019 292 M1	Lever, Release	3
33	1 019 297 M1	Pin, Release Lever Pivot	3
34	1 019 294 M1	Cup, Pressure Spring Seat	6
35	1 019 800 M1	Spring, Pressure (Yellow and Gold)	6
36	1 019 296 M1	Spring, Release Lever	3
37	1 019 298 M1	Bolt, Release Lever Adjusting	3
38	1 019 299 M1	Washer, Release Lever Adjusting Bolt	3
39	353 917 X1	Nut, Lock, Adjusting Bolt (5/16" NF, Half Hex.)	3
45	354 264 X1	Bolt, Clutch (3/8 x 1-3/4" NC, Hex.)	6
46	353 434 X1	Washer (3/8" Lock)	6
47	360 649 X1	Spacer (3/8 x 5/8 x 3/4")	6
48	189 948 M91	Disc Assembly, Clutch	1
49	835 601 M91	Lining Kit, Clutch Facing	1
50	1 020 127 M1	Rivet, Lining	40

REAR AXLE HOUSING AND CARRIER

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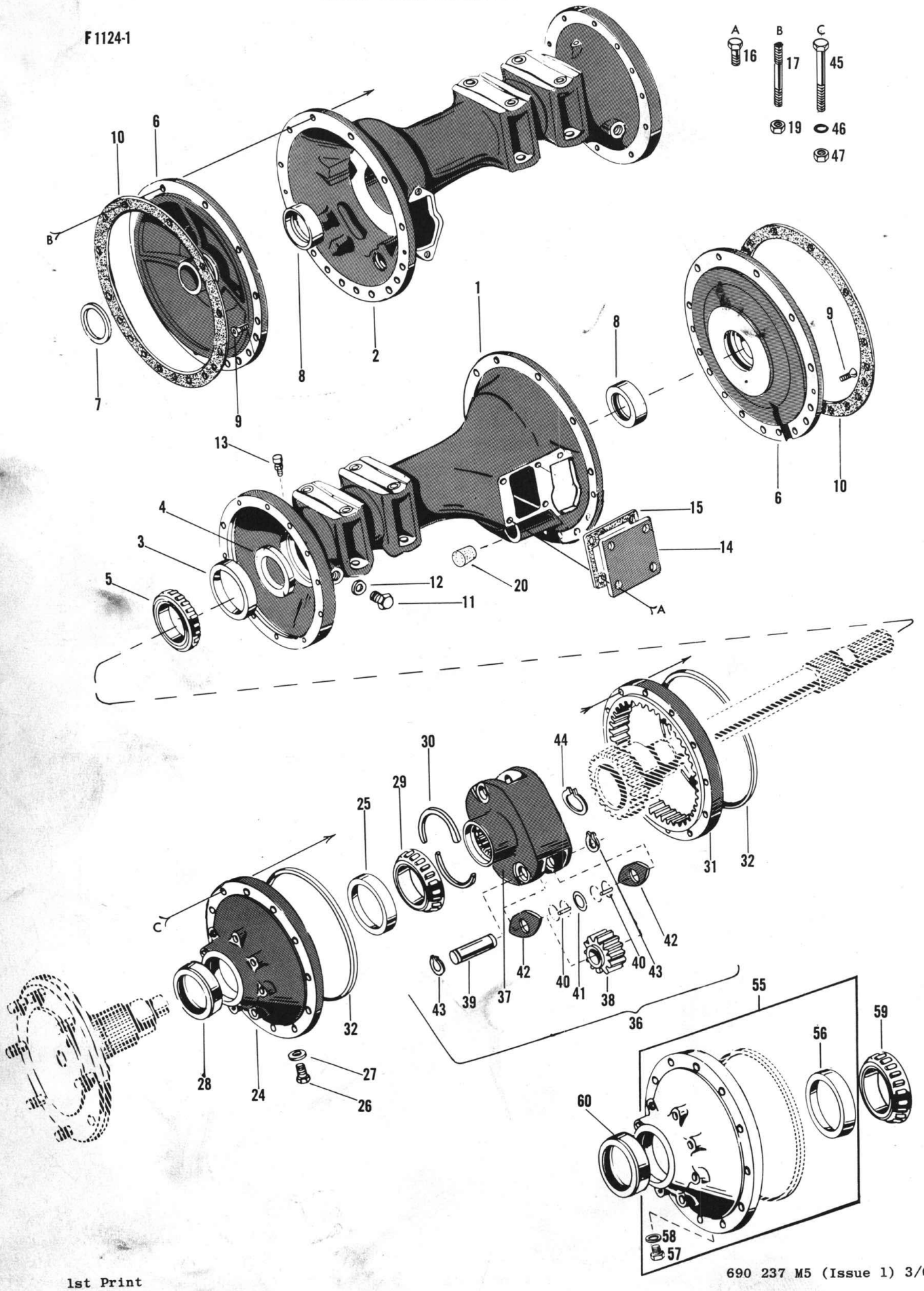
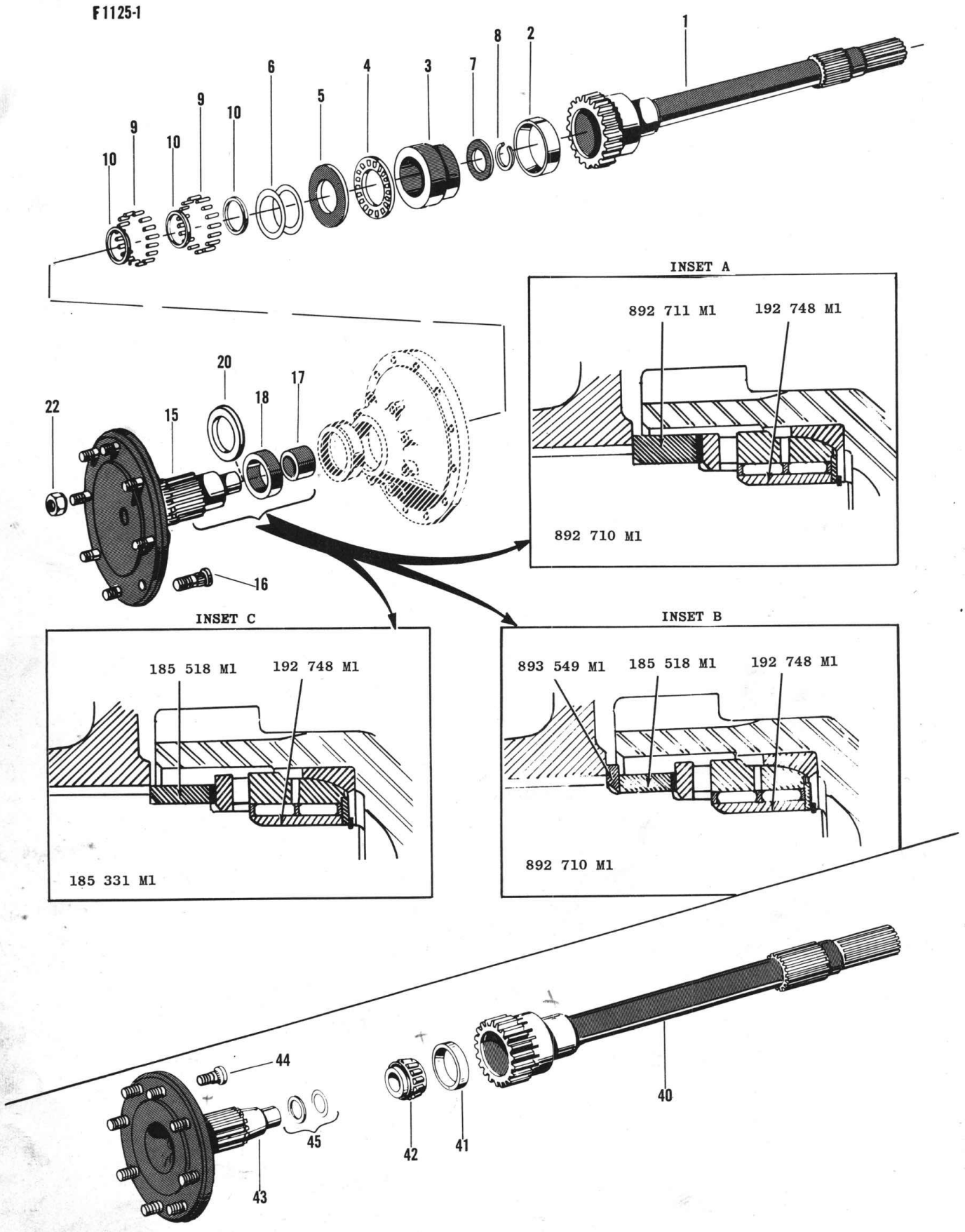


Ref. No.	Part No.	Description	No. Req.
1	184 286 M92	Housing Assembly, Axle, Right (Incls. Item 3)	1
2	184 287 M91	Housing Assembly, Axle, Left	1
3	15 858 X	Cup, Bearing	1
4	881 991 M1	Seal, Oil (2-5/8 x 3-1/2 x 1/2")	2
5	831 488 M1	Cone, Bearing	2
6	184 192 M1	Plate, Differential Carrier (See Page 265 for Tractor w/Differential Lock)	2
7	892 180 M1	Shim (.005")	x
8	832 954 M1	Seal Assembly, Oil, w/Retainer	2
9	196 022 M1	Screw, Carrier Plate	4
10	183 254 M1	Gasket, Carrier Plate to Center Housing	2
11	894 014 M2	Plug, Axle Housing Drain	2
12	180 474 M1	Gasket, Drain Plug	2
13	1 852 686 M91	Breather Assembly, Axle Housing	2
14	184 311 M1	Cover, Differential Lock Hole	1
15	186 506 M1	Gasket, Differential Lock Hole Cover	1
16	353 694 X1	Bolt (7/16 x 1/2" NC, Hex.)	4
17	184 194 M1	Stud (1/2" NC-NF x 2-1/4") (Order 898 088 M1)	23
17	184 199 M1	Stud (1/2" NC-NF x 2-3/8") (Order 898 088 M1)	7
19	353 437 X1	Nut (1/2" NF, Hex.)	30
20	187 896 M1	Plug, Axle Housing (Cork) (Used Utility Only)	2
24	186 239 M91	Cover Assembly, Rear Axle Drive	2
25	15 958 X	Cup, Bearing	1
26	829 099 M2	Plug, Drain Hole	1
27	825 292 M1	Washer, Drain Plug	1
28	966 238 M1	Seal, Oil (2-5/8 x 3-3/4 x 33/64")	2
29	831 488 M1	Cone, Bearing	2
30	184 195 M1	Ring, Bearing Support (Half)	4
31	184 186 M1	Gear, Planetary Ring	2
32	191 141 M1	Gasket, Ring Gear	4
36	193 231 M91	Carrier Assembly, Planetary Pinion	2
37	184 282 M1	Carrier, Planetary Pinion	1
38	184 176 M1	Pinion, Planetary	2
39	184 202 M1	Shaft, Pinion	2
40	184 742 M1	Roller, Needle (29 per Path)	116
41	184 196 M1	Washer, Roller Spacer (1-3/64 x 1-17/64 x 1/16")	2
42	184 441 M1	Washer, Thrust	4
43	355 631 X1	Ring, Snap, Pinion Shaft	4
44 (A)	22 783 X	Ring, Snap, Carrier Retainer	2
45	353 578 X1	Bolt (7/16 x 3-3/8" NF, Hex.)	24
46	353 432 X1	Washer (7/16" Lock)	24
47	353 426 X1	Nut (7/16" NF, Hex.)	24

DRIVE COVER WITH HEAVY DUTY BEARINGS

55 (B)	509 029 M91	Cover Assembly, Drive (For Heavy Duty Bearings)	2
56	832 930 M1	Cup, Bearing	1
57	829 099 M2	Plug, Drain	1
58	825 292 M1	Washer, Drain Plug	1
59	353 205 X1	Cone, Bearing	2
60	832 931 M1	Seal, Oil (2-5/8 x 3-3/4 x 9/16")	2
	192 113 M1	Drawing (Heavy Duty Bearing Installation)	1

Notes: (A) - Used prior to Rear Axle Serial Number CR-11027.
(B) - Drive Cover modified for Heavy Duty Bearings has part number 192 158 M91 stamped on side. Order Installation Drawing 192 113 M1 for details.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INSET A
892 711 M1
192 748 M1
892 710 M1
20
18
17
22
15
16
INSET C
185 518 M1
192 748 M1
185 331 M1
INSET B
893 549 M1
185 518 M1
192 748 M1
892 710 M1
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REAR AXLE

(USED TRACTOR SERIAL NOS. (LO-CLR.) 662 236, (HI-CLR.) 660 007 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	185 342 M91	Shaft Assembly, Rear Axle	2
2	185 332 M1	Cup,Bearing	1
3	185 333 M1	Cone, Bearing	2
4	185 379 M1	Bearing, Needle, Thrust	2
5	831 677 M1	Race, Thrust Bearing	2
6	185 336 M1	Shim, Bearing (.002")	x
6	185 337 M1	Shim, Bearing (.010")	x
6	185 338 M1	Shim, Bearing (.030")	x
7	185 334 M1	Washer, Thrust (1-17/64 x 2 x 3/32")	2
8	358 854 X1	Ring, Snap, Thrust Washer Retaining	2
9	831 675 M1	Roller, Needle (34 per Path)	136
10	185 311 M1	Spacer, Rollers (1-35/64 x 1-27/64 x 1/16")	6
15 (A)	892 709 M91	Axle Assembly, Wheel (Casting No. 892 710 M1)	2
16	184 272 M1	Bolt, Wheel	8
17	192 748 M1	Sleeve, Axle (1-1/4 x 1-17/64 x 1-5/16")	1
18 (B)	892 711 M1	Sleeve, Axle (1-15/16 x 2-3/4 x 59/64") (See Inset "A")	2
18 (C)	185 518 M1	Sleeve, Axle (1-15/16 x 2-7/16 x 49/64") (See Inset "B")	2
20 (C)	893 549 M1	Spacer, Sleeve (1-15/16 x 2-3/4 x 5/32") (See Inset "B")	2
15 (D)			
15 (D)	185 330 M91	Axle Assembly, Wheel (Casting No. 185 331 M1) (Order (1) 892 709 M91 and (1) 892 711 M1)	2
16	184 272 M1	Bolt, Wheel	8
17	192 748 M1	Sleeve, Axle (1-1/4 x 1-17/64 x 1-5/16")	1
18 (D)	185 518 M1	Sleeve, Axle (1-15/16 x 2-7/16 x 49/64") (See Inset "C")	2
22	184 273 M1	Nut, Wheel, Bolt	16

(USED PRIOR TO TRACTOR SERIAL NOS. (LO-CLR.) 662 236 AND (HI-CLR.) 660 007)

40 (E)	184 279 M91	Shaft Assembly, Rear Axle	2
41	831 486 M1	Cup, Bearing	1
42	831 487 M1	Cone, Bearing	2
43 (E)	184 274 M91	Axle Assembly, Wheel (Casting No. 184 187 M1)	2
44	184 272 M1	Bolt, Wheel	8
45	184 177 M1	Shim, Rear Axle Bearing (.002")	x
45	184 178 M1	Shim, Rear Axle Bearing (.010")	x

Notes: (A) - Used Rear Axle Serial Number CR-11027 and up.
(B) - Used on some Rear Axles with Serial Number CR-11027 and up. Check part carefully before ordering.
(C) - Used on some Rear Axles with Serial Number CR-11027 and up. 185 518 M1 and 893 549 M1 must be used together in this application. Check parts carefully before ordering.
(D) - Used prior to Rear Axle Serial Number CR-11027.
(E) - Parts no longer available forerepairs. To repair one side order (1) of 892 709 M91, Wheel Axle; 1 of 892 711 M1, Sleeve; 5 of 185 336 M1 Shims; 1 of 831 677 M1, Race; 1 of 185 379 M1, Bearing; 1 of 185 333 M1, Cone; 3 of 185 311 M1, Spacer; 68 of 831 675 M1 Needles; 1 of 185 334 M1, Thrust Washer; 1 of 358 854 M1, Snap Ring and 1 of 185 332 M1, Bearing Cap.

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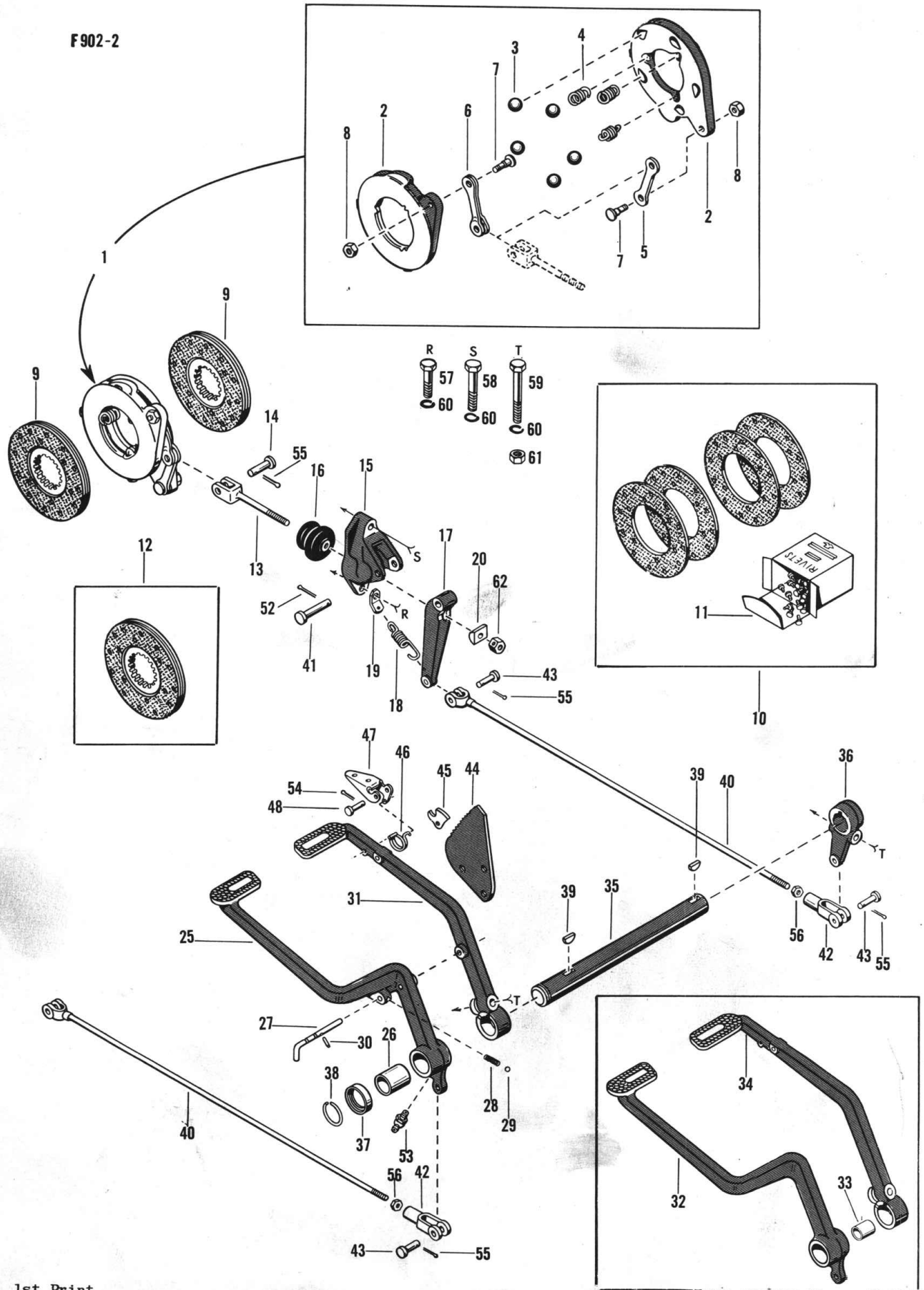
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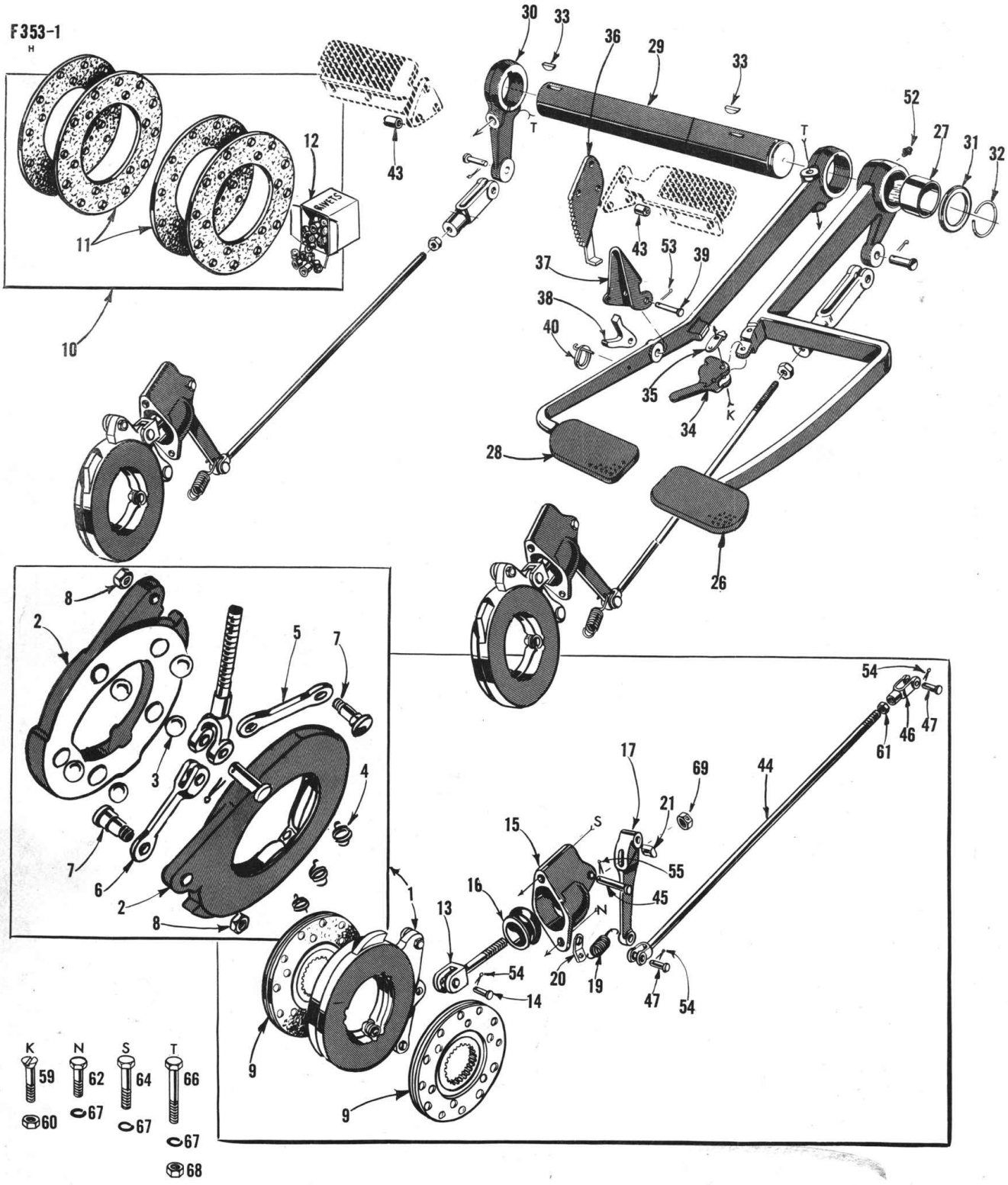
RIVETS

AGRICULTURAL MODELS

(USED TRACTOR SERIAL NO. 692932 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	764 805 M91	Disc Assembly, Actuating	2
2	1 005 509 M1	Disc, Actuating	2
3	16 779 X	Ball, Actuating Disc (7/8" Dia.)	5
4	1 005 510 M1	Spring, Actuating Disc	3
5	1 005 508 M1	Link, Plain	1
6	1 005 809 M91	Link Assembly, Yoke	1
7	1 005 512 M1	Stud, Link to Disc	2
8	353 430 X1	Nut, Stud (3/8" NF, Half Hex.)	2
9	1 753 117 M91	Disc Assembly, Middle, w/Riveted Lining (Order 1 021 314 M91)	4
10	840 916 M92	Lining Kit	1
11	17 488 A	Rivet, Lining (Order 480 824 M91, 1 Lb. Box.)	36
12	1 021 314 M91	Disc Assembly, Middle, w/Bonded Lining (Optional w/item 9)	4
13	184 334 M1	Rod, Brake	2
14	354 191 X1	Pin, Clevis, Brake Rod	2
15	184 588 M2	Support, Brake Lever	2
16	183 462 M1	Cover, Dust, Brake Rod Hole	2
17	184 179 M2	Lever, Brake Rod, Right Hand	1
17	184 180 M2	Lever, Brake Rod, Left Hand	1
18	184 171 M1	Spring, Brake Lever Return	2
19	184 310 M1	Clip, Return Spring	2
20	184 257 M1	Block, Brake Lever Adjusting	2
(A)	194 018 M91	Lock Kit, Brake Pedal Conversion	1
25 (B)	193 896 M91	Pedal Assembly, Brake, Right Wheel	1
26	195 910 M1	Bushing (1-3/8 x 1-1/2 x 1-3/4")	1
27 (B)	193 877 M1	Lever, Brake Interlock	1
28 (B)	193 878 M1	Spring, Detent Ball	1
29 (B)	361 023 X1	Ball, Lever Detent (3/16" Dia.)	1
30 (B)	357 618 X1	Pin, Lever Retaining (1/8 x 7/8" Roll)	1
31 (B)	193 898 M1	Pedal, Brake, Left Wheel	1
32 (C)	192 442 M91	Pedal Assembly, Brake, Right Wheel (Order 193 896 M91)	1
33	195 910 M1	Bushing (1-3/8 x 1-1/2 x 1-3/4")	1
34 (C)	192 444 M1	Pedal, Brake, Left Wheel (Order 193 898 M1)	1
35	181 959 M1	Shaft, Cross	1
36	180 864 M1	Arm, Cross Shaft	1
37	181 964 M1	Washer, Thrust, Brake Pedal	1
38	195 904 M1	Ring, Snap, Brake Pedal Retaining	1
39	12 501 X	Key (1/4 x 1" Woodruff)	2
40	184 174 M91	Rod Assembly, Brake Connecting	2
41	831 489 M1	Pin, Lever to Support	2
42	195 270 M1	Yoke, Brake Rod	2
43	832 813 M1	Pin, Yoke Retaining	4
44	192 433 M1	Sector, Parking Brake	1
45	191 544 M1	Latch, Parking Brake	1
46	180 809 M1	Spring, Parking Brake Latch	1
47	181 149 M1	Actuator, Parking Brake Latch	1
48	195 242 M1	Pin, Latch	1
52	354 048 X1	Cotter Pin (3/32 x 3/4")	x
53	360 543 X1	Grease Fitting, 65° (1/4" - 28)	x
54	354 055 X1	Cotter Pin (1/8 x 1/2")	x
55	354 059 X1	Cotter Pin (1/8 x 1")	x
56	353 430 X1	Nut (3/8" NF, Hex.)	x
57	353 698 X1	Bolt (7/16 x 1" NC, Hex.)	x
58	353 705 X1	Bolt (7/16 x 1-7/8" NC, Hex.)	x
59	353 571 X1	Bolt (7/16 x 2-1/2" NF, Hex.)	x
60	353 432 X1	Washer (7/16" Lock)	x
61	353 426 X1	Nut (7/16" NF, Hex.)	x
62	355 896 X1	Nut (7/16" NF, Hex., Special)	x

Notes: (A) - Conversion Kit to be used on Tractor from Serial No. 693040 to 702646.
(B) - Used Tractor Serial No. 702646 and up.
(C) - Used prior to Tractor Serial No. 702646.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BRAKES

USED ORCHARD AND UTILITY MODELS

(USED AGRICULTURAL MODELS PRIOR TO TRACTOR SERIAL NO. 692932)

Ref. No.	Part No.	Description	No. Req.
1	764 805 M91	Disc Assembly, Actuating	2
2	1 005 509 M1	Disc, Actuating	2
3	16 779 X	Ball, Actuating Disc (7/8" Dia.)	5
4	1 005 510 M1	Spring, Actuating Disc	3
5	1 005 508 M1	Link, Plain	1
6	1 005 809 M91	Link Assembly, Yoke	1
7	1 005 512 M1	Stud, Link to Disc	2
8	353 430 X1	Nut, Stud (3/8" NF, Half Hex.)	2
9	1 753 117 M91	Disc Assembly, Middle (Order 1 021 314 M91)	4
10	840 916 M92	Lining Kit, Brake	x
11	1 005 507 M1	Lining, Brake (Order 840 916 M91)	4
12	17 488 A	Rivet, Brake Lining (Order 480 824 M91, 1 lb. Box.)	36
13	184 334 M1	Rod, Brake	2
14	354 191 X1	Pin, Clevis, Brake Rod	2
15	184 588 M2	Support, Brake Lever	2
16	183 462 M1	Cover, Dust, Brake Rod Hole	2
17	184 179 M2	Lever, Brake Rod, Right Hand	1
17	184 180 M2	Lever, Brake Rod, Left Hand	1
19	184 171 M1	Spring, Brake Lever Return	2
20	184 310 M1	Clip, Return Spring	2
21	184 257 M1	Block, Brake Lever Adjusting	2
26	194 491 M12	Pedal Assembly, Brake, Right, Wheel	1
27	195 910 M1	Bushing, Right Pedal (1-3/8 x 1-1/2 x 1-3/4")	1
28	181 962 M1	Pedal, Brake, Left Wheel	1
29	181 959 M1	Shaft, Cross	1
30	180 864 M1	Arm, Cross Shaft	1
31	181 964 M1	Washer, Thrust, Brake Pedal	1
32	195 904 M1	Ring, Snap, Brake Pedal Retaining	1
33	12 501 X	Key (1/4 x 1" Woodruff)	2
34	181 960 M1	Lock, Brake Pedals	1
35	181 958 M1	Spring, Lock	1
36	182 009 M91	Sector Assembly, Parking Brake	1
37	181 149 M1	Actuator, Parking Latch	1
38	181 150 M1	Latch, Parking	1
39	195 242 M1	Pin, Latch	1
40	180 809 M1	Spring, Parking Latch	1
43	182 376 M1	Stop, Brake Pedals (17/32 x 13/16 x 1-1/4")	2
44	184 174 M91	Rod Assembly, Brake Connecting	2
45	831 489 M1	Pin, Lever to Support	2
46	195 270 M1	Yoke, Brake Rod	2
47	832 813 M1	Pin, Yoke	4
52	13 811 X	Grease Fitting (1/4" - 28 Str.)	x
53	354 055 X1	Cotter Pin (1/8 x 1/2")	x
54	354 059 X1	Cotter Pin (1/8 x 1")	x
55	354 048 X1	Cotter Pin (3/32 x 3/4")	x
59	361 203 X1	Screw (5/16 x 1-5/8" NF, Flat Hd.)	x
60	195 454 M1	Nut (5/16" NF, Hex., Self-Locking)	x
61	353 430 X1	Nut (3/8" NF, Hex.)	x
62	353 698 X1	Bolt (7/16 x 1" NC, Hex.)	x
64	353 705 X1	Bolt (7/16 x 1-7/8" NC, Hex.)	x
66	353 571 X1	Bolt (7/16 x 2-1/2" NF, Hex.)	x
67	353 432 X1	Washer (7/16" Lock)	x
68	353 426 X1	Nut (7/16" NF, Hex.)	x
69	355 896 X1	Nut (7/16" NF, Hex., w/Nylon Insert)	x

DIFFERENTIAL HOUSING, DIFFERENTIAL

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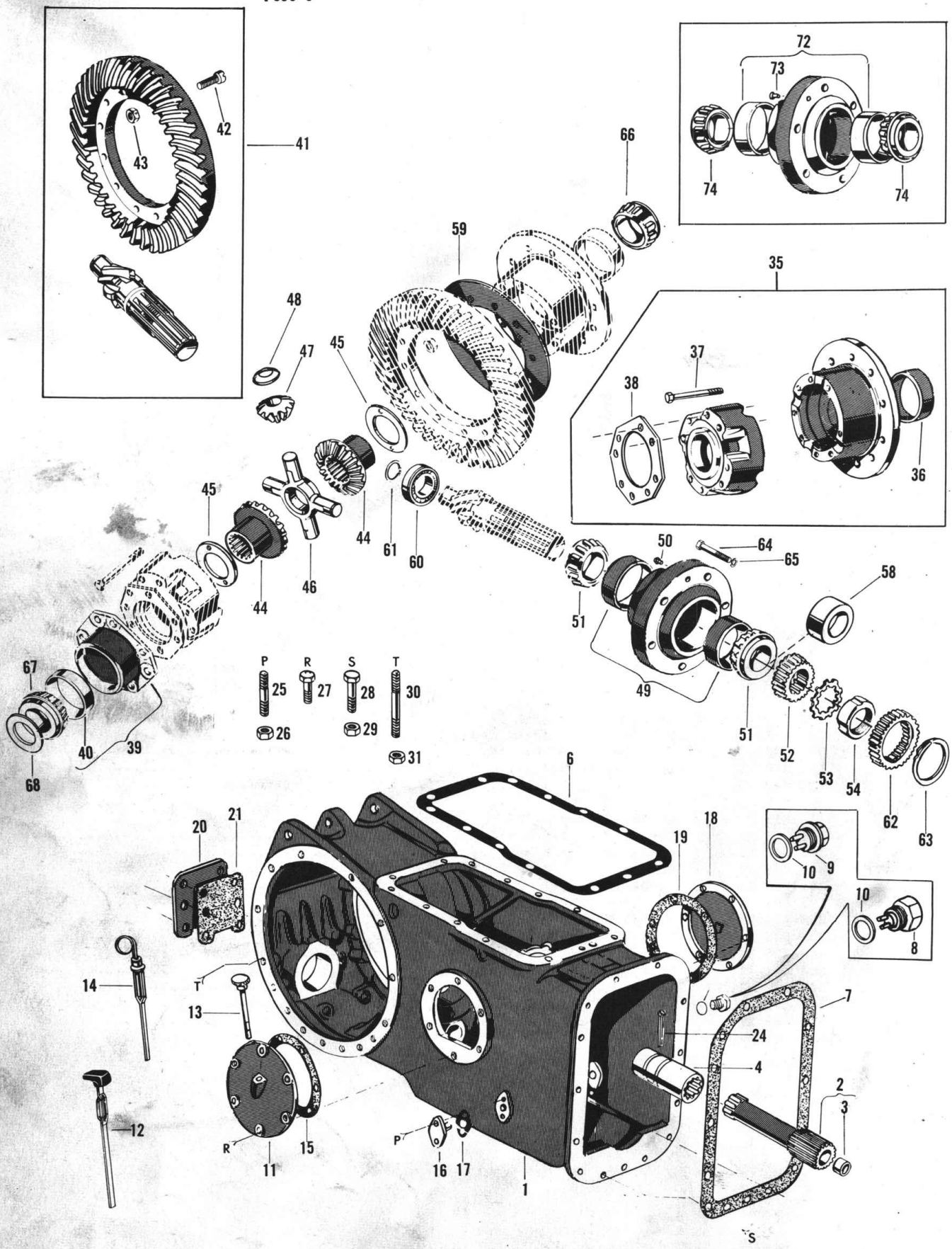


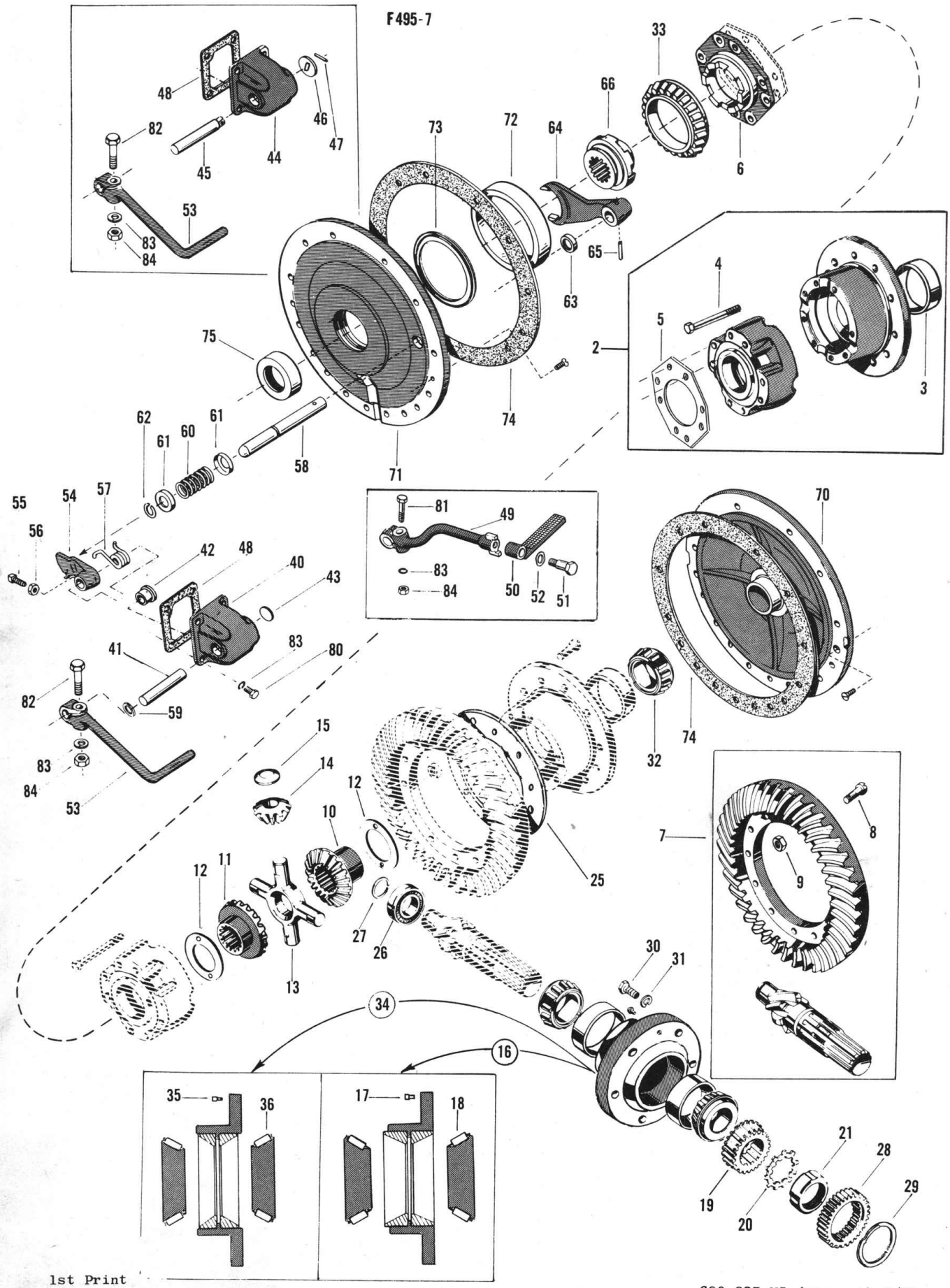
DIFFERENTIAL HOUSING

Ref. No.	Part No.	Description	No. Req.
1 (A)	183 253 M5	Housing, Differential	1
2	181 439 M93	Shaft Assembly, Rear Drive	1
3	195 513 M1	Bearing, Needle	1
4 (B)	189 469 M1	Coupling, Rear Drive (1-31/32" Dia. Thru Groove Section)	1
4 (C)	183 088 M1	Coupling, Rear Drive (1-15/16" Dia. Thru Groove Section)	1
6	181 408 M1	Gasket, Hydraulic Lift Cover	1
7	181 363 M1	Gasket, Differential Housing to Transmission Case	1
8 (D)	195 466 M1	Plug, Drain (Magnetic)(w/1-1/16" Hex. Hd.)(Order 894 014 M2)	1
9 (E)	894 014 M2	Plug, Drain (Magnetic)(w/11/16" Hex. Hd.)	1
10	180 474 M1	Gasket, Drain Plug	1
11	181 218 M91	Cover Assembly, Oil Level Indicator	1
12 (F)	193 400 M1	Indicator, Oil Level (Bayonet 5-1/2" Long)	1
13 (G)	190 486 M2	Indicator, Oil Level (Bayonet 5-1/8" Long)(Order 193 400 M1)	1
14 (H)	188 358 M1	Indicator, Oil Level (Bayonet 6-1/2" Long)(Order 193 400 M1)	1
14 (I)	180 366 M1	Indicator, Oil Level (Bayonet 7-1/2" Long)(Order 193 400 M1)	1
15	181 217 M1	Gasket, Oil Level Indicator Cover	2
16	180 905 M1	Pin, Pump Support	2
17	180 904 M2	Gasket, Pump Support Pin	1
18	827 825 M1	Cover,P.T.O. Shift (Used Tractors w/out P.T.O.)	1
19	181 217 M1	Gasket, P.T.O. Shift Hole Cover	1
20	187 749 M1	Cover, P.T.O. Hole (Used Tractors w/out P.T.O.)	1
21	190 127 M2	Gasket, P.T.O. Hole Cover	x
24	354 416 X1	Cotter Pin (3/16 x 2-1/2")	4
25	195 569 M1	Stud, Pump Support (5/16" NC-NF x 1-1/16")	4
26	353 916 X1	Nut (5/16" NF, Hex.)	x
27	353 696 X1	Bolt (7/16 x 3/4" NC, Hex.)	13
28	353 562 X1	Bolt, Differential Housing to Trans. Case (7/16 x 1-1/4" NF, Hex.)	13
29	353 426 X1	Nut (7/16" NF, Hex.)	23
30	184 194 M1	Stud, Rear Axle (1/2" NC-NF x 2-1/4")(Order 898 088 M1)	7
30	184 199 M1	Stud, Rear Axle (1/2" NC-NF x 2-3/8")(Order 898 088 M1)	30
31	353 437 X1	Nut (1/2" NF, Hex.)	1

DIFFERENTIAL
(WITHOUT DIFFERENTIAL LOCK)

	192 214 M91	Differential Assembly	1
35	185 197 M92	Case Assembly (Matched)	1
36	195 160 M1	Cup, Bearing	8
37	181 246 M2	Bolt, Differential Case	1
38	892 120 M1	Shim (.010")	1
39	184 623 M92	Adapter Assembly	1
40	29 745 X	Cup, Bearing	1
41	184 382 M91	Gear Set (Matched)	12
42	825 776 M1	Bolt (1/2 x 1-45/64" NF, Special)	12
43	891 947 M1	Nut (1/2" NF, Hex., Special)	2
44	181 249 M3	Gear, Differential Side	2
45	181 247 M1	Washer, Thrust, Side Gear	1
46	181 276 M1	Spider, Pinion	4
47	181 275 M1	Pinion	4
48	181 277 M1	Washer, Thrust, Pinion	1
49 (J)	190 606 M91	Sleeve Assembly, Bearing	1
50	181 253 M1	Pin, Dowel	2
51 (J)	831 888 M1	Cone, Bearing	1
52	180 798 M1	Hub, P.T.O. Drive Gear	1
53	180 455 M1	Washer, Adjusting Nut Lock	1
54	180 456 M1	Nut, Bearing Adjusting	1
58	189 421 M1	Spacer (Used w/Utility Tractor Only)	x
59 (L)	190 027 M1	Shim, Backlash Adjusting (.003")	x
59 (L)	190 028 M1	Shim, Backlash Adjusting (.007")	1
60	191 250 M1	Bearing, Bevel Pinion Pilot	1
61	196 097 M1	Ring, Snap, Pilot Bearing Retaining	1
62	184 191 M1	Gear, P.T.O. Drive (Lo-Clearance) (30 Teeth)	1
62	184 184 M1	Gear, P.T.O. Drive (Hi-Clearance) (32 Teeth)	1
63	195 690 M1	Ring, Snap, P.T.O. Drive Gear Retaining	6
64	181 224 M1	Bolt, Sleeve (9/16 x 1-1/4" NC, Hex., Special)	6
65	353 447 X1	Washer (9/16" Lock)	1
66	195 159 M1	Cone, Bearing, Left	1
67	353 205 X1	Cone, Bearing, Right	x
68	892 180 M1	Shim, Right Bearing (.005")	1
72 (K)	181 251 M92	Sleeve Assembly, Bearing	1
73	181 253 M1	Pin, Dowel	2
74 (K)	195 163 M1	Cone, Bearing	1

Notes:
(A) - To Replace 183 253 M5, Housing, Order (1) 897 719 M2, Housing and (1) 509 422 M91, Housing Service Kit. Refer to Service Bulletin 65-3 dated April 26, 1965 for rework Instructions.
(B) - Used Tractor Serial Number 691 506 and up.
(C) - Used prior to Tractor Serial Number 691 506.
(D) - Used Tractor Serial Number 700 387 and up.
(E) - Used prior to Tractor Serial Number 700 387.
(F) - Used Tractor Serial Number 698 609 and up.
(G) - Used Tractor Serial Number 685 270 to 698 609.
(H) - Used Tractor Serial Number 677 274 to 685 270.
(I) - Used prior to Tractor Serial Number 677 274.
(J) - Used Transmission Serial Number CL26861L2 and up.
(K) - Used prior to Transmission Serial Number CL26861L2.
(L) - See Service Bulletin 61-16.



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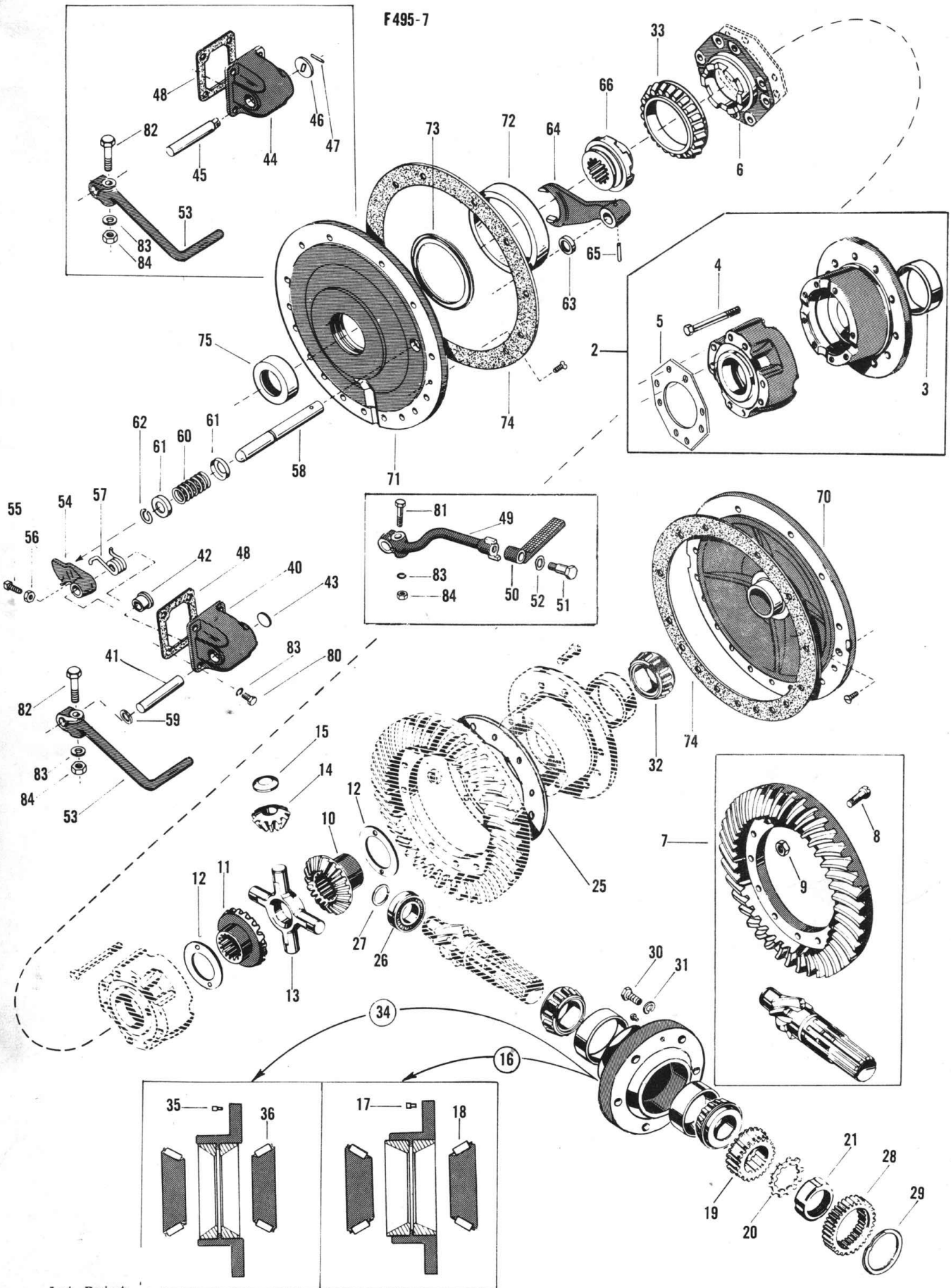
690 237 M5 (Issue 1) 3/66

Ref. No.	Part No.	Description	No. Req.
	192 211 M91	Differential Assembly	1
2	185 197 M92	Case Assembly (Matched)	1
3	195 160 M1	Cup, Bearing	1
4	181 246 M2	Bolt, Case	8
5	892 120 M1	Shim (.010")	1
6	898 712 M1	Adapter	1
7	184 382 M91	Gear Set (Matched)	1
8	825 776 M1	Bolt (1/2 x 1-45/64" NF, Special)	12
9	891 947 M1	Nut (1/2" NF, Hex., Special)	12
10	181 249 M3	Gear, Differential Side, Left (2-1/2" Long)	1
11	184 700 M1	Gear, Differential Side, Right (1-13/16" Long)	1
12	181 247 M1	Washer, Thrust, Side Gear	2
13	181 276 M1	Spider, Pinion	1
14	181 275 M1	Pinion	4
15	181 277 M1	Washer, Thrust, Pinion	4
16 (A)	190 606 M91	Sleeve Assembly, Bearing	1
17	181 253 M1	Pin, Dowel	1
18 (A)	831 888 M1	Cone, Bearing	2
19	180 798 M1	Hub, P.T.O. Drive Gear	1
20	180 445 M1	Washer, Adjusting Nut Lock	1
21	180 456 M1	Nut, Bearing Adjusting	1
25 (C)	190 027 M1	Shim, Backlash Adjustment (.003")	x
25 (C)	190 028 M1	Shim, Backlash Adjustment (.007")	x
26	191 250 M1	Bearing, Bevel Pinion Pilot	1
27	196 097 M1	Ring, Snap, Pilot Bearing Retaining	1
28	184 191 M1	Gear, P.T.O. Drive (Lo-Clr.) (30 Teeth)	1
28	184 184 M1	Gear, P.T.O. Drive (Hi-Clr.) (32 Teeth)	1
29	195 690 M1	Ring, Snap, P.T.O. Drive Gear Retaining	1
30	181 224 M1	Bolt, Sleeve (9/16 x 1-1/4" NC, Hex., Special)	6
31	353 447 X1	Washer (9/16" Lock)	6
32	195 159 M1	Cone, Bearing, Left	1
33	185 251 M1	Cone, Bearing, Right	1
34 (B)	181 251 M92	Sleeve Assembly, Bearing	1
35	181 253 M1	Pin, Dowel	1
36 (B)	195 163 M1	Cone, Bearing	2

Notes: (A) - Used Transmission Serial Number CL 26861L2 and up.
(B) - Used prior to Transmission Serial Number CL 26861L2.
(C) - See Service Bulletin 61-16.



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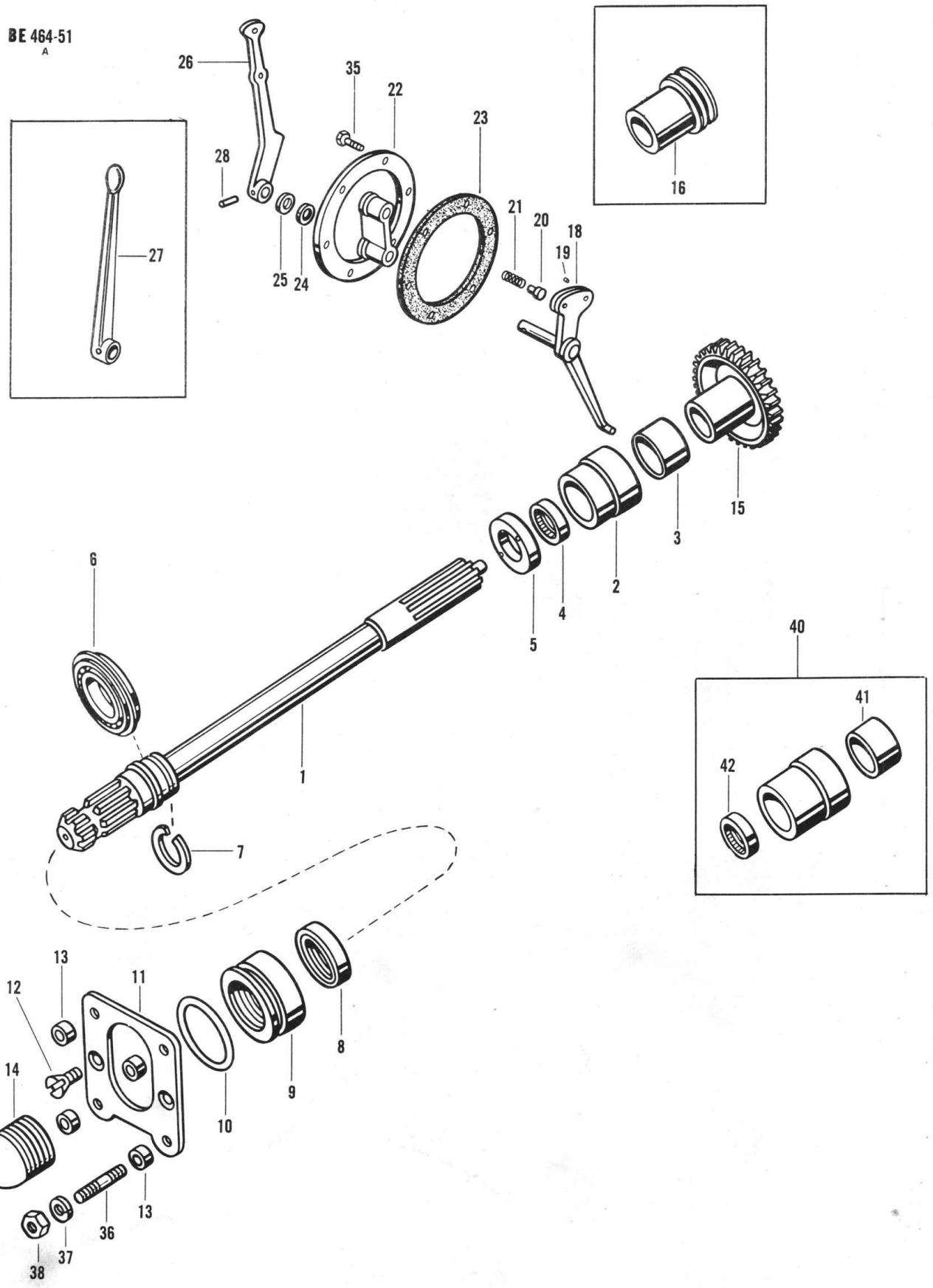
690 237 M5 (Issue 1) 3/66

Ref. No.	Part No.	Description	No. Req.
40 (A)	185 802 M2	Housing, Differential Lock Cam	1
41 (A)	185 801 M2	Shaft, Pedal Pivot	1
42 (A)	185 800 M1	Bearing, Pivot Shaft	1
43 (A)	2 950 X	Plug (1" Expansion)	1
44 (B)	184 697 M1	Housing, Differential Lock Cam	1
45 (B)	184 693 M1	Shaft, Pedal Pivot (Order 185 801 M2)	1
46 (B)	184 823 M1	Washer, Pivot Shaft	1
47 (B)	375 007 X1	Pin, Pivot Shaft (3/16 x 1-1/8" Roll)	1
48	186 506 M1	Gasket, Housing	1
49	192 780 M1	Shaft, Pedal (Hi and Lo-Clr.)	1
50	192 779 M1	Pad, Pedal Shaft (Hi and Lo-Clr.)	1
51	192 778 M1	Bolt, Pad to Shaft (7/16" NF) (Hi and Lo-Clr.)	1
52	363 512 X1	Washer, Pad Bolt (Hi and Lo-Clr.)	1
53 (C)	184 686 M1	Pedal, Differential Lock (Orchard)	1
54 (D)	897 928 M1	Cam, Differential Lock	1
54 (E)	184 687 M3	Cam, Differential Lock	1
55	881 144 M1	Screw, Cam (3/8 x 1-1/4" NF, Dog Pt., Sq. Hd.)	1
56	353 431 X1	Nut, Lock (3/8" NF, Hex.)	1
57	184 685 M1	Spring, Pedal Return	1
58 (D)	894 805 M1	Shaft, Differential Lock Cam to Fork	1
58 (E)	184 696 M1	Shaft, Differential Lock Cam to Fork	1
59 (D)	894 804 M1	Washer, Special	1
60	184 684 M1	Spring	1
61	184 683 M1	Guide, Spring	2
62	352 980 X1	Ring, Snap, Guide Retaining	1
63	831 575 M1	Seal, Oil (7/8 x 1-1/4 x 3/16")	1
64	184 688 M2	Fork, Differential Lock	1
65	355 723 X1	Pin, Fork to Shaft (1/4 x 1-1/2" Roll)	1
66	184 689 M2	Coupler, Differential Lock	1
70	184 192 M1	Plate, Differential Carrier, Left	1
71	184 584 M2	Plate, Differential Carrier, Right	1
72	185 252 M1	Cup, Bearing	1
73	892 173 M1	Shield, Bearing (.034" to .036")	x
73	892 172 M1	Shield, Bearing (.039" to .041")	x
73	892 171 M1	Shield, Bearing (.044" to .046")	x
73	892 170 M1	Shield, Bearing (.049" to .051")	x
73	187 689 M1	Shield, Bearing (.029" to .031")	x
74	183 254 M1	Gasket, Carrier Plate	2
75	832 954 M1	Seal Assembly, Oil, w/Retainer	2
80	353 697 X1	Bolt (7/16 x 7/8" NC, Hex.)	x
81	353 567 X1	Bolt (7/16 x 2" NF, Hex.)	x
82	353 568 X1	Bolt (7/16 x 2-1/8" NF, Hex.)	x
83	353 432 X1	Washer (7/16" Lock)	x
84	353 426 X1	Nut (7/16" NF, Hex.)	x

Notes: (A) - Used Transmission Serial Number SNY51686 and up.
(B) - Used prior to Transmission Serial Number SNY51686.
(C) - Also used on early Model Hi and Lo-Clearance.
(D) - Used rear Axle Serial Number CS7096 and up.
(E) - Used prior to Rear Axle Serial Number CS7096.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Ref. No.	Part No.	Description	No. Req.
1	181 204 M92	Shaft Assembly, P.T.O. (w/one Snap Ring Groove on Collar)	1
1 (A)	181 204 M91	Shaft Assembly, P.T.O. (w/two Snap Ring Grooves on Collar)	1
2 (B)	180 463 M1	Sleeve, P.T.O. Shaft	1
3	180 461 M1	Bushing, Sleeve (1-7/8 x 2 x 1-1/2")	1
4	195 453 M1	Bearing, Needle, P.T.O. Shaft, Front	1
5 (B)	180 464 M1	Retainer, Bearing	1
6	195 498 M1	Bearing, Ball, P.T.O. Shaft, Rear	1
7 (C)	195 284 M1	Ring, Snap, Bearing Retaining	1
8	195 506 M1	Seal, Oil (1-3/4 x 2-11/16 x 3/4")	1
9	180 465 M1	Retainer, Oil Seal	1
10	195 522 M1	"O" Ring, Retainer	1
11	184 365 M2	Retainer, P.T.O. Bearing	1
12	358 380 X1	Screw, Retainer (7/16 x 3/4" NC, Flat Sckt. Hd.)	2
13	184 381 M1	Spacer, Retainer Stud (15/32 x 3/4 x 1/2")	4
14	180 313 M1	Cap, P.T.O. Shaft	1
15	184 193 M1	Gear, P.T.O., Driven (Lo-Clr.) (40 Teeth)	1
15	184 190 M1	Gear, P.T.O., Driven (Hi-Clr.) (38 Teeth)	1
16	180 502 M1	Hub, P.T.O. (Used w/out Ground Speed P.T.O.)	1
18	181 211 M91	Fork Assembly, P.T.O. (Used w/Ground Speed P.T.O.)	1
18 (D)	181 268 M91	Fork Assembly, P.T.O. (Used w/out Ground Speed P.T.O.)	1
19 (E)	181 270 M1	Plug, Fork Detent Hole	1
20	180 418 M1	Plunger, Fork	1
21	191 221 M1	Spring, Plunger	1
22	181 214 M1	Cover, P.T.O. Shift	1
23	181 217 M1	Gasket, Cover	1
24	894 307 M1	Seal, Oil (5/8 x 1 x 3/16")	1
25	353 760 X1	Washer (5/8" Small Flat)	1
26 (F)	192 431 M1	Lever, P.T.O. Shift	1
27 (G)	181 215 M1	Lever, P.T.O. Shift	1
28	195 468 M1	Pin, Lever (1/4 x 1" Roll)	1
35	353 696 X1	Bolt (7/16 x 3/4" NC, Hex.)	x
35	353 699 X1	Bolt (7/16 x 1-1/8" NC, Hex.)	x
36	184 380 M1	Stud (7/16" NC-NF x 2-1/4")	4
37	353 432 X1	Washer (7/16" Lock)	4
38	353 426 X1	Nut (7/16" NF, Hex.)	4
40 (H)	898 645 M91	Sleeve Assembly, P.T.O. Shaft	1
41	180 461 M1	Bushing (1-7/8 x 2 x 1-1/2")	1
42	195 453 M1	Bearing, Needle, P.T.O. Shaft	1

Notes:
(A) - To Repair 181 204 M91, Shaft Order 1 of 181 204 M92, Shaft which requires only 1 of 195 284 M1, Snap Ring.
(B) - Part Number for reference only. For Repairs order 898 645 M91, Sleeve Assembly. (See Item 40)
(C) - One Snap Ring Required with 181 204 M92, Shaft.
Two Snap Rings required with 181 204 M91, Shaft.
(D) - For Repairs order 181 211 M91, Fork and 181 270 M1, Plug.
(E) - To be installed in Fork 181 211 M91 when used on Tractors without Ground Speed P.T.O..
(F) - Used Tractor Serial Numbers (Gas) 692 932 and (Diesel) 692 874 and up.
(G) - Used prior to Tractor Serial Numbers (Gas) 692 932 and (Diesel) 692 874. For Repairs order 192 431 M1.
(H) - One piece Sleeve Assembly, never used in Production. Used only to Repair 180 463 M1 and 180 464 M1.

SWINGING DRAWBAR

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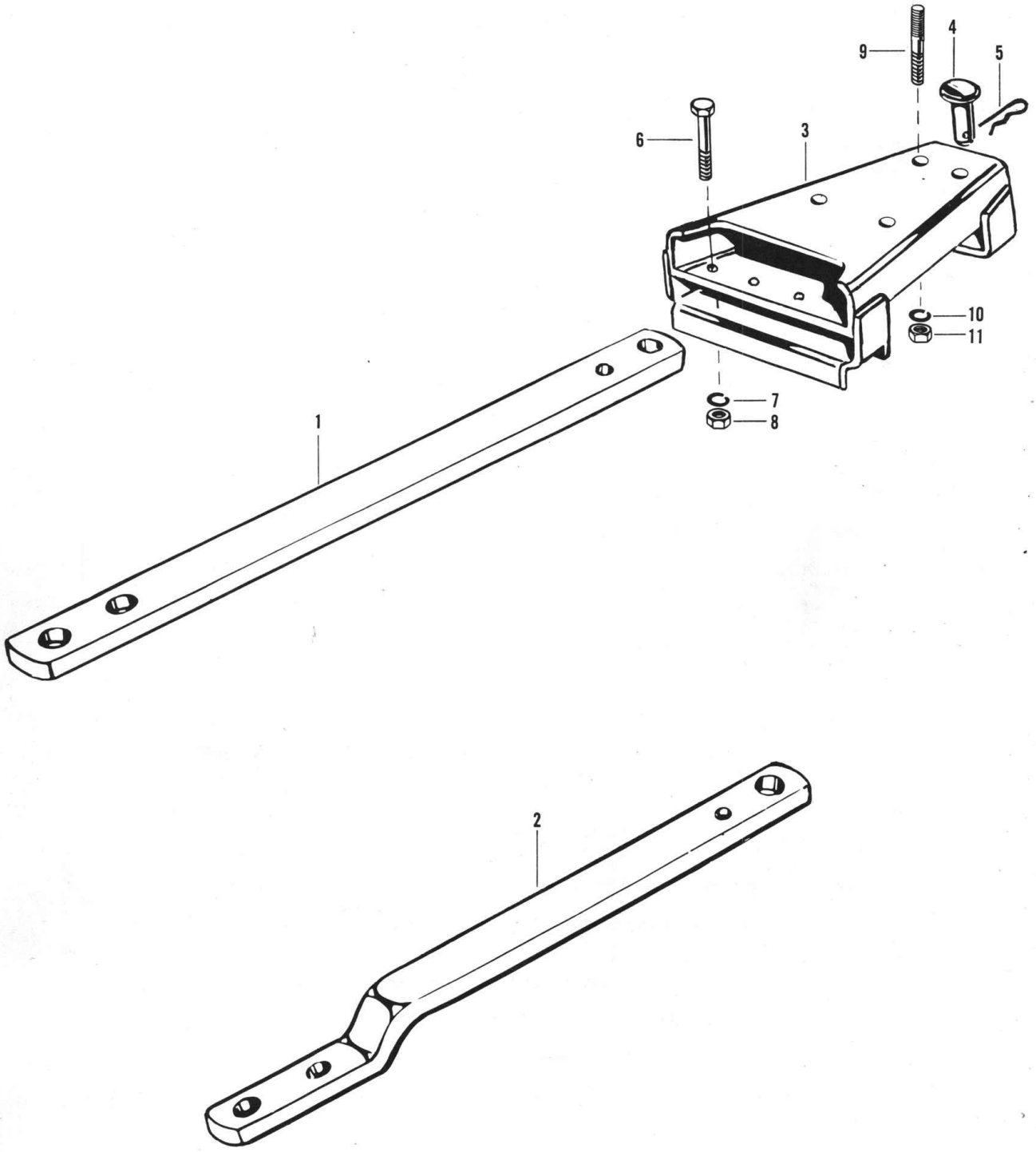

Ref. No.	Part No.	Description	No. Req.
1	184 611 M1	Drawbar (Lo-Clearance)	1
2	184 629 M1	Drawbar (Hi-Clearance)	1
3	184 607 M91	Support Assembly, Drawbar	1
4	184 630 M1	Pin, Pivot, Drawbar	1
5	195 708 M1	Pin, Hair, Pivot Pin Retaining	1
6	353 710 X1	Bolt (7/16 x 2-1/2" NC, Hex.)	1
7	353 432 X1	Washer (7/16" Lock)	1
8	355 645 X1	Nut (7/16" NC, Hex.)	1
9	832 647 M1	Stud (5/8" NF x 2-9/16")	4
10	353 433 X1	Washer (5/8" Lock)	4
11	353 427 X1	Nut (5/8" NF, Hex.)	4

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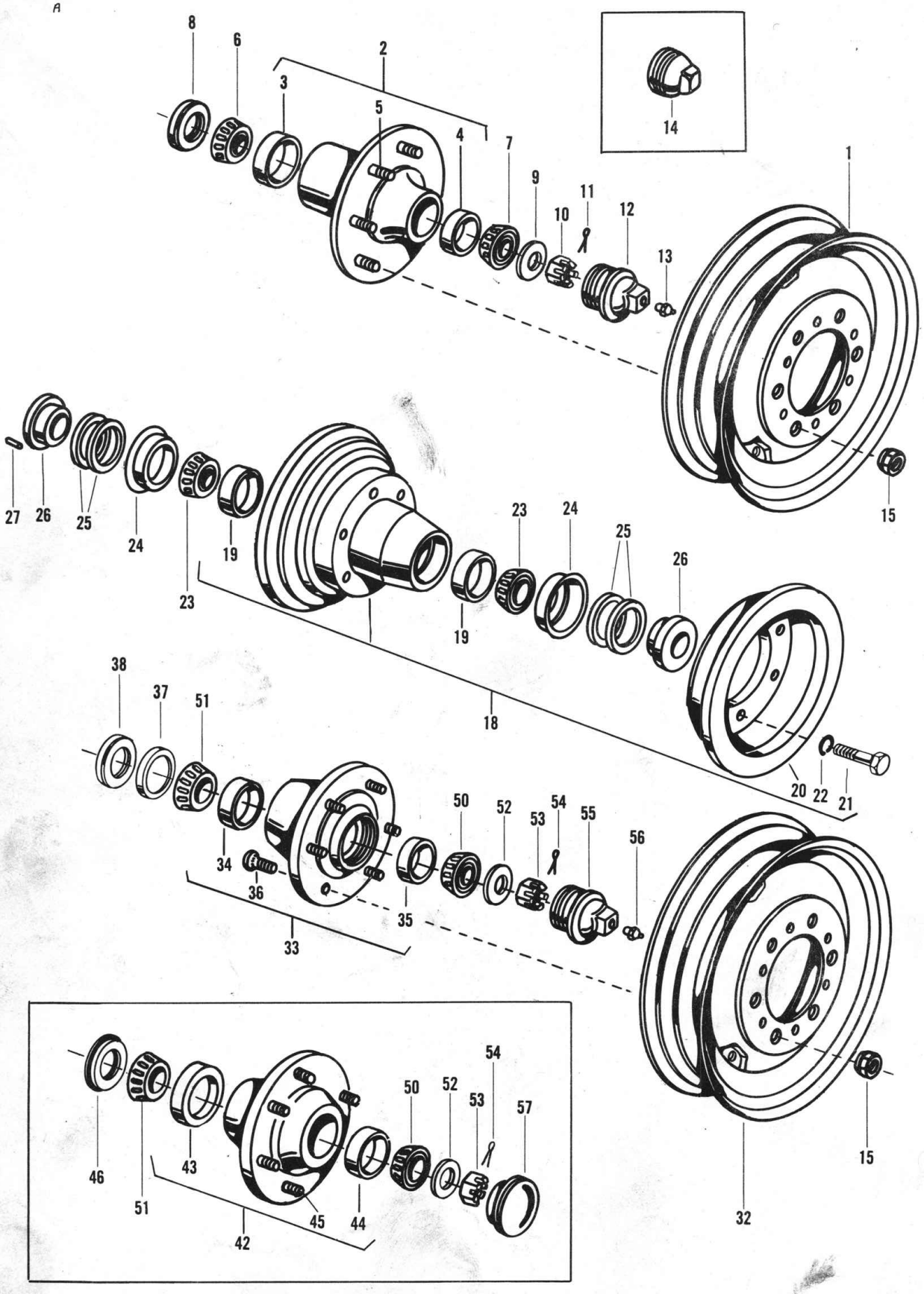
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FRONT WHEELS

AGRICULTURAL

(LO-CLR., HI-CLR. AND ROW CROP TWIN)

Ref. No.	Part No.	Description	No. Req.
1	506 020 M91	Wheel Assembly (takes 5.50 x 16 or 6.00 x 16 Tire)	2
2	180 338 M92	Hub Assembly, Front Wheel	2
3	763 402 M1	Cup, Bearing, Inner	1
4	850 127 M1	Cup, Bearing, Outer	1
5	181 328 M1	Bolt, Hub	6
6	350 351 X1	Cone, Bearing, Inner	2
7	150 662 M1	Cone, Bearing, Outer	2
8	180 008 M1	Seal, Dust (1-35/64 x 2-45/64 x 1/4")	2
9	180 010 M1	Washer, Bearing Retainer	2
10	353 928 X1	Nut (3/4" NF, Hex., Sltd.)	2
11	354 068 X1	Cotter Pin (5/32 x 1-1/4")	2
12 (A)	191 142 M1	Cap, Hub (Tapped for Grease Fitting)	2
13 (A)	13 811 X	Grease Fitting (1/4" - 28 Str.)	2
14 (B)	180 009 M1	Cap, Hub (Not adapted for Grease Fitting) (Order 1 - 191 142 M1 and 1 - 13 811 X)	2
15	195 490 M1	Nut, Hub to Wheel	12

(ROW CROP SINGLE)

18	182 626 M91	Wheel Assembly (Takes 7.50 x 10 Tire)	1
19	15 854 X	Cup, Bearing	2
20	182 628 M1	Rim, Front Wheel	1
21	354 279 X1	Bolt (1/2 x 1-7/8" NC, Hex.)	6
22	353 439 X1	Washer (1/2" Lock)	6
23	15 853 X	Cone, Bearing	2
24	15 843 A	Cup, Felt Washer Retaining	2
25	15 842 A	Washer (2-1/16 x 3-1/16 x 5/16" Felt)	4
26	15 841 A	Spacer	2
27	14 652 X	Pin, Spacer Locating (5/16 x 3/4" Groove)	2

UTILITY

32	509 893 M91	Wheel Assembly (Takes 7.50 x 16 Tire)	2
33 (C)	191 520 M92	Hub Assembly (Threaded for 191 495 M1, Cap)	2
34	17 201 A	Cup, Bearing, Inner (Timken) (Used w/701 114 M1, Cone)	1
34	22 663 X	Cup, Bearing, Inner (Hyatt) (Used w/195 123 M1, Cone)	1
35	354 369 X1	Cup, Bearing, Outer	1
36	831 420 M1	Bolt, Wheel	6
37 (D)	194 494 M1	Sleeve, Wear	2
38 (D)	833 355 M1	Seal, Dust	2
38 (E)	831 635 M1	Seal, Dust	2
42 (F)	183 291 M91	Hub Assembly (Smooth for 662 317 M1, Cap)	2
43	17 201 A	Cup, Bearing, Inner (Timken) (Used w/701 114 M1, Cone)	1
43	22 663 X	Cup, Bearing, Inner (Hyatt) (Used w/195 123 M1, Cone)	1
44	354 369 X1	Cup, Bearing, Outer	1
45	831 420 M1	Bolt, Wheel	6
46	831 635 M1	Seal, Dust	2
50	354 370 X1	Cone, Bearing, Outer	2
51	701 114 M1	Cone, Bearing, Inner (Timken) (Used w/17 201 A, Cup)	2
51	195 123 M1	Cone, Bearing, Inner (Hyatt) (Used w/22 663 X, Cup)	2
52	184 036 M1	Washer, Hub Retaining	2
53	353 928 X1	Nut, Hub (3/4" NF, Sltd. Hex.)	2
54	354 070 X1	Cotter Pin (5/32 x 1-1/2")	2
55	191 495 M1	Cap, Hub (Cast) (Used w/191 520 M92, Hub)	2
56	13 811 X	Grease Fitting (1/4" - 28 Str.) (Used w/191 495 M1, Cap)	2
57	662 317 M1	Cap, Hub (Used w/183 291 M91, Hub)	2

Notes: (A) - Used late Production Tractors.
(B) - Used early Production Tractors.
(C) - Used Tractor Serial Number 691 607 and up.
(D) - Used Tractor Serial Number 705 460 and up.
(E) - Used Prior to Tractor Serial Number 705 460.
May be replaced with 833 355 M1 Seal, and 194 494 M1 Sleeve.
(F) - Used Prior to Tractor Serial Number 691 607. For Repairs Order (1) 191 520 M92, (1) 191 495 M1 and (1) 13 811 X.

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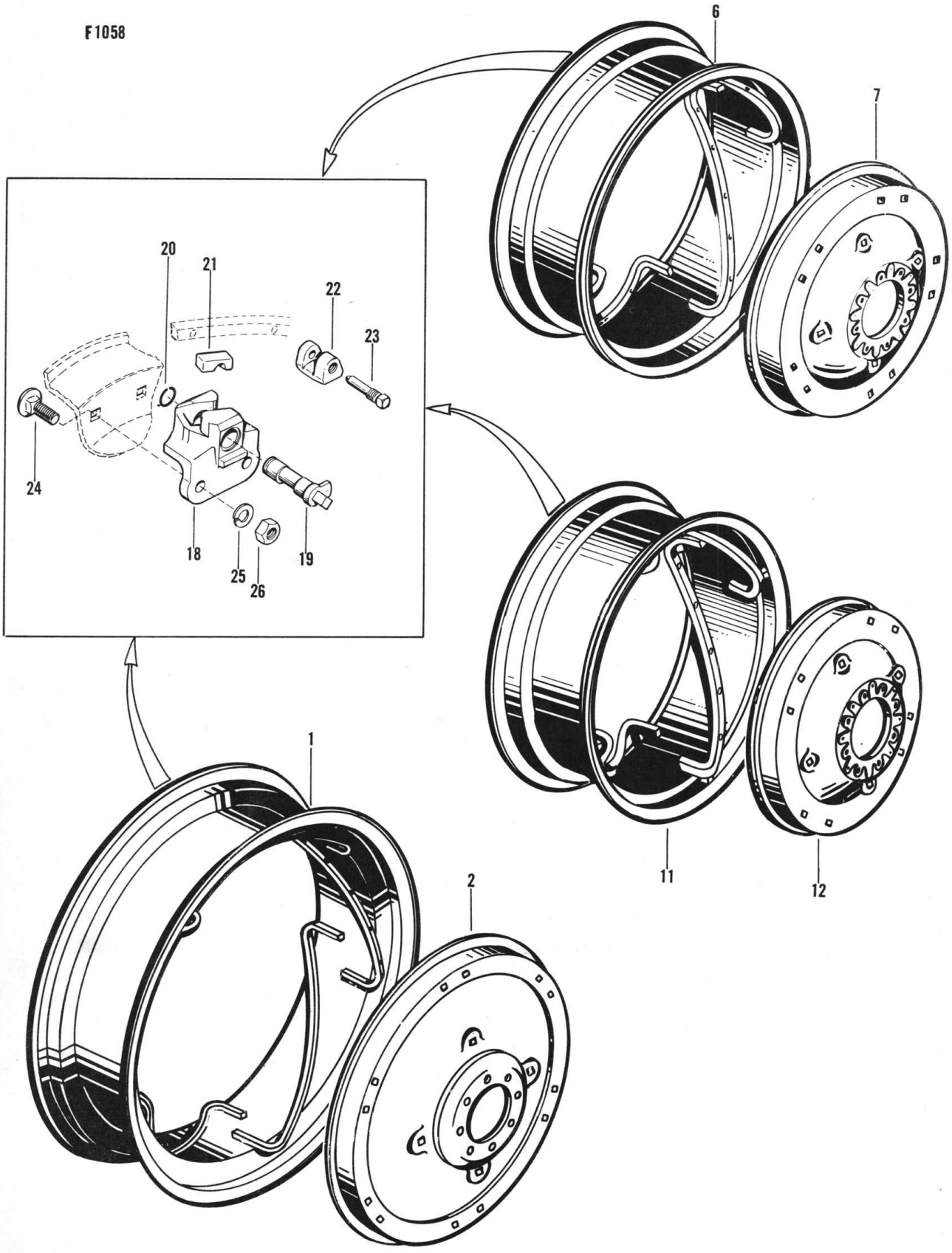

REAR WHEELS

POWER ADJUSTABLE

(W/CAM TYPE CLAMPS)

Ref. No.	Part No.	Description	No. Req.
1 (B)	1 009 436 M92	Rim Assembly (Takes 13.6/12 x 38, 14.9/13 x 38 or 11 x 38 Tire)	2
1 (A)	1 023 069 M91	Rim Assembly (Takes 15.5 x 38 Tire)	2
2	1 753 286 M91	Disc Assembly, Wheel Center	2
18	1 751 406 M1	Body, Eccentric Pin	12
19	1 751 405 M1	Pin, Eccentric	12
20	1 751 408 M1	Ring, Snap, Pin Retainer	12
21	1 751 407 M1	Lock, Eccentric Pin	12
22	1 751 402 M1	Stop, Body	4
23	1 751 403 M1	Screw, Lock, Body Stop	4
24	1 751 409 M1	Bolt, Body (5/8 x 1-5/8" NC, Carr.)	24
25	353 433 X1	Washer (5/8" Lock)	24
26	375 099 X1	Nut (5/8" NC, Hex.)	24
6 (A)	1 755 010 M91	Rim Assembly (Takes 18.4/15 x 30 Tire)	2
7	1 754 060 M1	Disc, Wheel Center	2
18	1 751 406 M1	Body, Eccentric Pin	10
19	1 751 405 M1	Pin, Eccentric	10
20	1 751 408 M1	Ring, Snap, Pin Retainer	10
21	1 751 407 M1	Lock, Eccentric Pin	10
22	1 751 402 M1	Stop, Body	4
23	1 751 403 M1	Screw, Lock, Body Stop	4
24	1 751 409 M1	Bolt, Body (5/8 x 1-5/8" NC, Carr.)	20
25	353 433 X1	Washer (5/8" Lock)	20
26	375 099 X1	Nut (5/8" NC, Hex.)	20
11 (C)	1 751 395 M92	Rim Assembly (Takes 11 x 28, 12 x 28 or 13 x 28 Tire)	2
12	1 753 256 M1	Disc, Wheel Center	2
18	1 751 406 M1	Body, Eccentric Pin	8
19	1 751 405 M1	Pin, Eccentric	8
20	1 751 408 M1	Ring, Snap, Pin Retainer	8
21	1 751 407 M1	Lock, Eccentric Pin	8
22	1 751 402 M1	Stop, Body	4
23	1 751 403 M1	Screw, Lock, Body Stop	4
24	1 751 409 M1	Bolt, Body (5/8 x 1-5/8" NC, Carr.)	16
25	353 433 X1	Washer (5/8" Lock)	16
26	375 099 X1	Nut (5/8" NC, Hex.)	16

Notes: (A) - Used Hi-Clr. Tractors.
(B) - Used Hi-Clr. and Row Crop Tractors.
(C) - Used Lo-Clr. Tractors.

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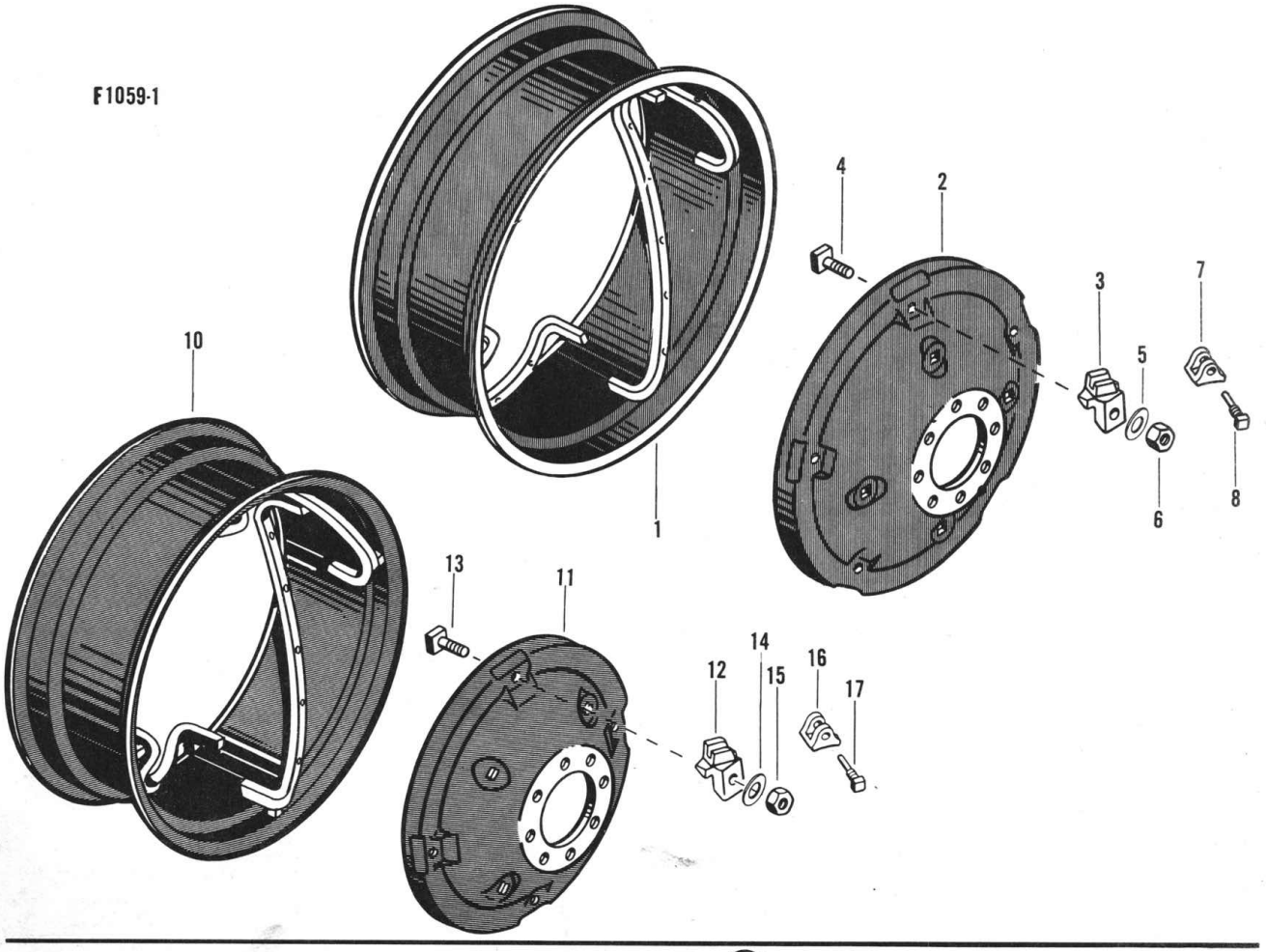
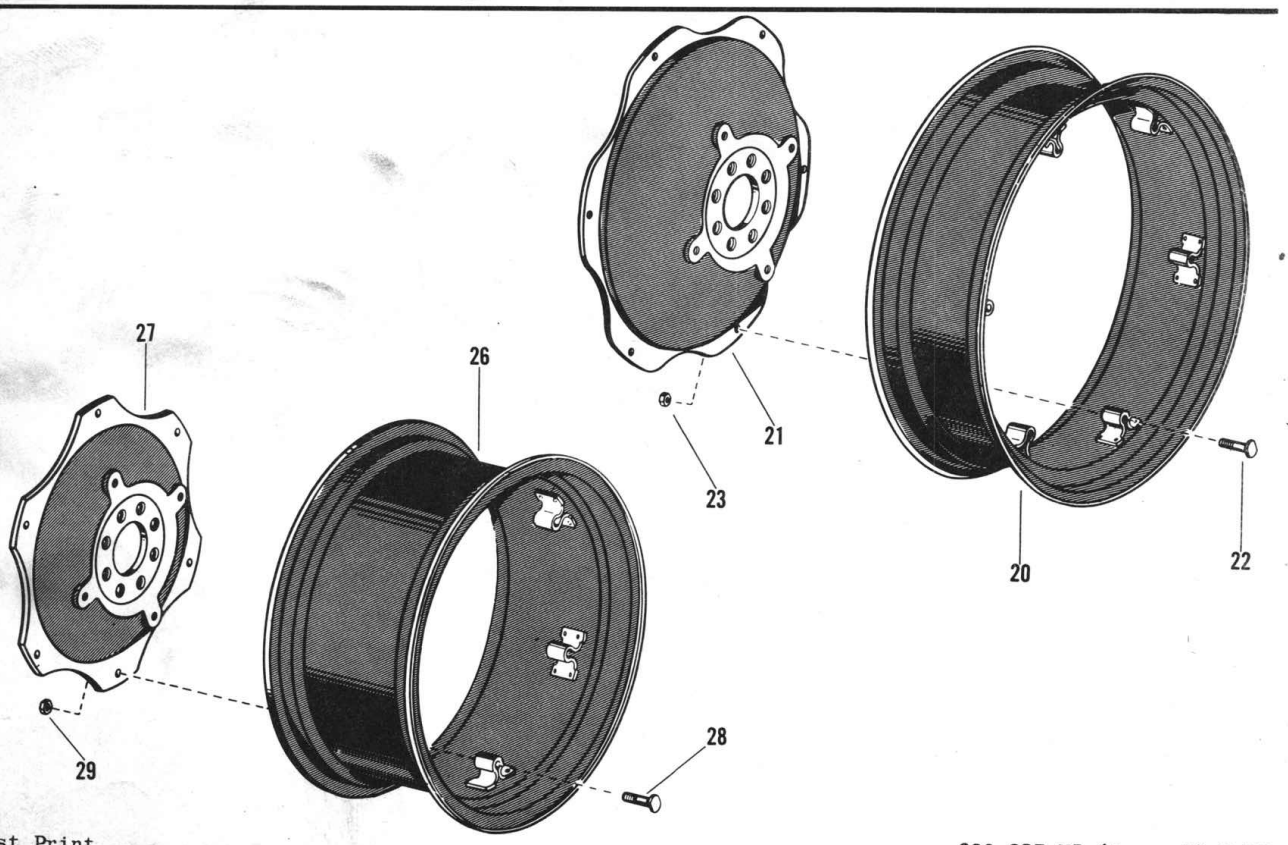




POWER ADJUSTABLE

(W/RAMP TYPE CLAMPS)

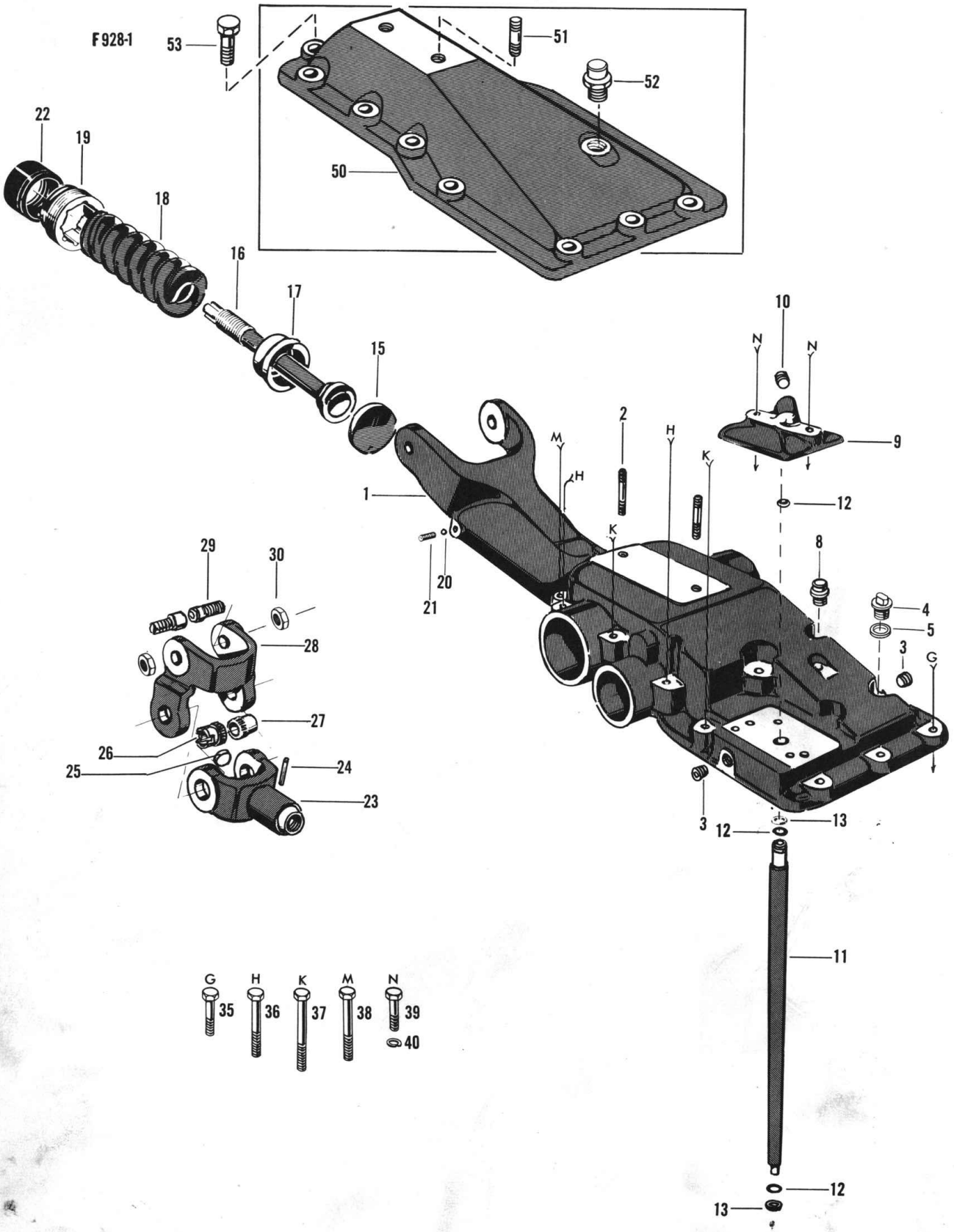
Ref. No.	Part No.	Description	No. Req.
1 (A)	1 755 010 M91	Rim Assembly (Take 18.4/15 x 30 Tire)	2
2	1 024 352 M1	Disc, Wheel Center	2
3	1 755 057 M1	Clamp, Disc to Rim	10
4	1 024 353 M1	Bolt, Disc to Clamp	10
5	353 775 X1	Washer (3/4" Heavy Flat)	10
6	375 100 X1	Nut (3/4" NC, Hex.)	10
7	1 755 060 M1	Stop, Body	4
8	1 751 403 M1	Screw, Stop	4
10 (B)	1 751 395 M92	Rim Assembly (Takes 11 x 28, 12 x 28 or 13 x 28 Tire)	2
11	1 024 351 M1	Disc, Wheel Center	2
12	1 755 057 M1	Clamp, Disc to Rim	8
13	1 024 353 M1	Bolt, Disc to Clamp	8
14	353 775 X1	Washer (3/4" Heavy Flat)	8
15	375 100 X1	Nut (3/4" NC, Hex.)	8
16	1 755 060 M1	Stop, Body	4
17	1 751 403 M1	Screw, Stop	4

MANUAL ADJUSTABLE

20 (C)	192 290 M1	Rim (Takes 16.9 x 28 Tire)	2
21	193 752 M1	Disc, Wheel Center	2
22	832 949 M1	Bolt, Rim to Disc	12
23	353 427 X1	Nut (5/8" NF, Hex.)	12
26 (D)	186 017 M91	Rim Assembly (Takes 13 x 24 or 14 x 24 Tire)	2
26 (E)	186 016 M91	Rim Assembly (Takes 14 x 24 or 15 x 24 Tire)	2
27	185 886 M1	Disc, Wheel Center	2
28	180 876 M1	Bolt, Rim to Disc (5/8 x 2-11/16" NF, Special)	12
29	353 427 X1	Nut (5/8" NF, Hex.)	12

Notes: (A) - Used Hi-Clearance Tractor.
(B) - Used Utility and Lo-Clearance Tractor.
(C) - Used Utility Tractor.
(D) - Used Utility, Orchard and Lo-Clearance Tractor.
(E) - Used Orchard and Lo-Clearance Tractor.

HYDRAULIC LIFT COVER



HYDRAULIC LIFT COVER

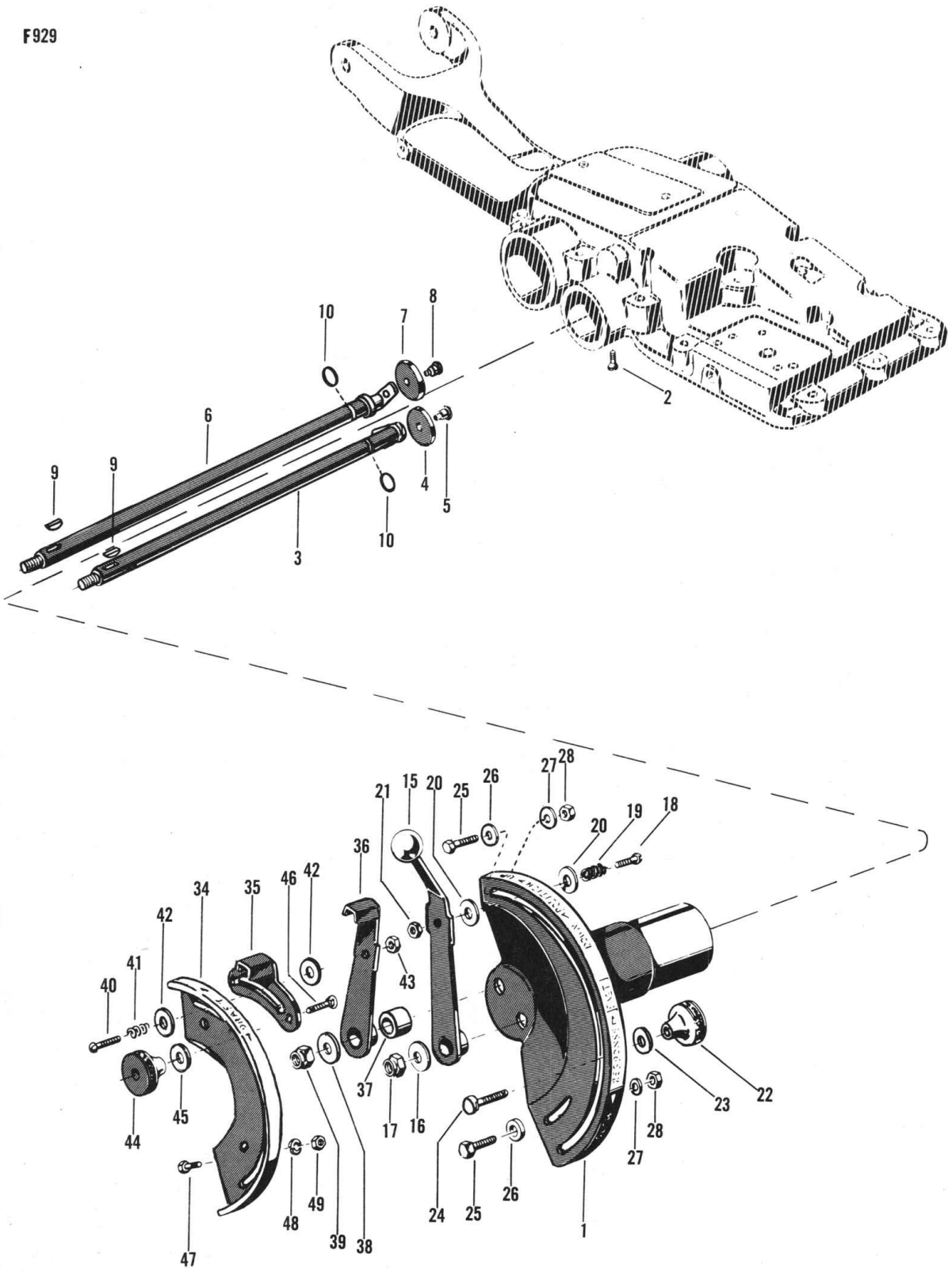
Ref. No.	Part No.	Description	No. Req.
1 (A)	190 861 M2	Cover, Hydraulic Lift	1
2	353 961 X1	Stud, Seat (7/16" NC-NF x 1-1/2")	2
3	195 387 M1	Plug (3/8" P.T., Hex. Sckt. Hd.)	2
4 (B)	826 237 M1	Plug (3/8" - 18, Straight Pipe Thread)	1
5 (B)	826 238 M1	Washer, Plug	1
1 (C)	184 392 M92	Cover Assembly, Hydraulic Lift	1
2	353 961 X1	Stud, Seat (7/16" NC-NF x 1-1/2")	2
3	195 387 M1	Plug (3/8" P.T., Hex. Sckt. Hd.)	2
8	182 099 M91	Breather Assembly, Lift Cover	1
9	182 373 M91	Cap Assembly, Cover	1
10	195 567 M1	Plug (1/8" P.T., Hex. Sckt. Hd.)	1
11 (A)	190 856 M1	Standpipe (12-7/32" Long)	1
11 (C)	180 906 M1	Standpipe (12" Long)	1
12	195 561 M1	"O" Ring, Standpipe (3/8 x 1/2 x 1/16")	3
13 (A)	195 874 M1	Washer, "O" Ring Back-Up	2
15	180 981 M1	Disc, Overload Stop	1
16	182 580 M1	Plunger, Control Spring	1
17	182 581 M1	Seat, Control Spring	1
18	182 582 M1	Spring, Control	1
19	180 979 M1	Nut, Control Spring Retainer	1
20	195 593 M1	Ball, Control Spring Adjustment	1
21	355 286 X1	Screw, Control Spring Adjustment (5/16 x 5/8" Sckt. Hd.)	1
22	180 980 M1	Boot, Spring Cover (Rubber)	1
23	180 972 M2	Clevis, Hydraulic Lift	1
24	195 573 M1	Pin (5/32 x 1-1/4" Groove)	1
25	180 982 M1	Plug, Clevis (Rubber)	1
26	181 982 M1	Bushing, Clevis, Right (1-11/32" Long, w/Split End)	1
27	180 974 M1	Bushing, Clevis, Left (1-3/64" Long, w/Solid End)	1
28	180 973 M2	Link, Rocker	1
29	363 593 X1	Screw, Link (1/2 x 1-1/4" NF, Sckt. Hd.)	2
30	353 438 X1	Nut, Link Screw (1/2" NF, Half Hex.)	2
35 (A)	353 703 X1	Bolt (7/16 x 1-5/8" NF, Hex.)	4
35 (C)	353 701 X1	Bolt (7/16 x 1-3/8" NF, Hex.)	4
36 (A)	353 713 X1	Bolt (7/16 x 2-7/8" NF, Hex.)	4
36 (C)	353 711 X1	Bolt (7/16 x 2-5/8" NF, Hex.)	4
37 (A)	353 720 X1	Bolt (7/16 x 3-3/4" NF, Hex.)	4
37 (C)	353 718 X1	Bolt (7/16 x 3-1/2" NF, Hex.)	4
38 (A)	353 705 X1	Bolt (7/16 x 1-7/8" NF, Hex.)	1
38 (C)	353 703 X1	Bolt (7/16 x 1-5/8" NF, Hex.)	1
39	353 701 X1	Bolt (7/16 x 1-3/8" NF, Hex.)	4
40	353 432 X1	Washer (7/16" Lock)	4

CENTER HOUSING COVER (UTILITY TRACTOR)

50	512 811 M1	Cover, Center Housing	1
51	353 961 X1	Stud, Seat (7/16" NC-NF x 1-1/2")	2
52	182 099 M91	Breather Assembly, Cover	1
53	353 701 X1	Bolt, Cover to Center Housing (7/16 x 1-3/8" NF, Hex.)	13

Notes: (A) Used Tractor Serial Number 691 138 and up.
(B) Used on Some 190 861 M2 Lift Covers.
(C) Used Prior to Tractor Serial Number 691 138.

F929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Ref. No.	Part No.	Description	No. Req.
1 (A)	181 026 M92	Quadrant Assembly, Position Control	1
2	196 022 M1	Screw, Quadrant Retaining (5/16 x 1" NF, Special)	1
3 (A)	181 022 M93	Shaft Assembly, Position Control (9-15/32" Long)(Will take "O" Ring)	1
3 (B)	181 022 M91	Shaft Assembly, Position Control (9-15/32" Long)(Not machined for "O" Ring) (Order 181 022 M93 and 195 561 M1)	1
4	181 015 M1	Roller, Shaft (5/16 x 7/8 x 7/32")	1
5	181 016 M1	Pin, Roller Retaining	1
6 (A)	181 019 M93	Shaft Assembly, Draft Control (10-13/16" Long)(Will Take "O" Ring)	1
6 (B)	181 019 M91	Shaft Assembly, Draft Control (10-13/16" Long)(Not machined for "O" Ring) (Order 181 019 M93 and 195 561 M1)	1
7	181 015 M1	Roller, Shaft (5/16 x 7/8 x 7/32")	1
8	181 016 M1	Pin, Roller Retaining	1
9	2 957 X	Key, Levers (1/8 x 1/2" Woodruff)	2
10 (A)	195 561 M1	"O" Ring, Control Shaft	2
15	181 039 M91	Lever Assembly, Position Control	1
16	353 755 X1	Washer (5/16" Small Flat)	1
17	376 447 X1	Nut, Lever Retaining (5/16" NF, Hex., Special)	1
18	195 617 M1	Screw, Lever (1/4 x 7/8" NF, Rd. Hd.)	1
19	195 618 M1	Spring, Lever Tension	1
20	181 041 M1	Washer, Spacer (1/4 x 7/8 x 1/16")	2
21	353 919 X1	Nut (1/4" NF, Half Hex.)	1
22	182 274 M1	Knob, Adjustment Locking	1
23	353 754 X1	Washer, Adjusting Knob (1/4" Small Flat)	1
24	182 282 M1	Bolt, Lock, Adjusting Knob (1/4 x 7/8" NF, Special)	1
25	353 502 X1	Bolt, Quadrant (1/4 x 5/8" NF, Hex.)	2
26	181 047 M1	Washer (17/64 x 5/8 x 3/16")	2
27	353 754 X1	Washer (1/4" Small Flat)	2
28	353 918 X1	Nut (1/4" NF, Hex.)	2
34	181 032 M1	Quadrant, Draft Control	1
35	181 033 M1	Slide, Draft Adjustment	1
36	181 038 M91	Lever Assembly, Draft Control	1
37	181 040 M1	Spacer, Lever (1/2 x 3/4 x 11/16")	1
38	353 755 X1	Washer (5/16" Small Flat)	1
39	376 447 X1	Nut, Lever Retaining (5/16" NF, Hex., Special)	1
40	195 617 M1	Screw, Lever (1/4 x 7/8" NF, Rd. Hd.)	1
41	195 618 M1	Spring, Lever Tension	1
42	181 041 M1	Washer, Spacer (1/4 x 7/8 x 1/16")	2
43	353 919 X1	Nut (1/4" NF, Half Hex.)	1
44	182 274 M1	Knob, Adjustment Locking	1
45	353 754 X1	Washer (1/4" Small Flat)	1
46	195 994 M1	Bolt, Lock, Adjusting Knob (1/4 x 1-1/16" NF, Carr.)	1
47	353 502 X1	Bolt (1/4 x 5/8" NF, Hex.)	1
48	353 441 X1	Washer (1/4" Lock)	1
49	353 918 X1	Nut (1/4" NF, Hex.)	1

Notes: (A) - Used Tractor Serial No. 692932 and up.
(B) - Used prior to Tractor Serial No. 692932.

HYDRAULIC LIFT SHAFT

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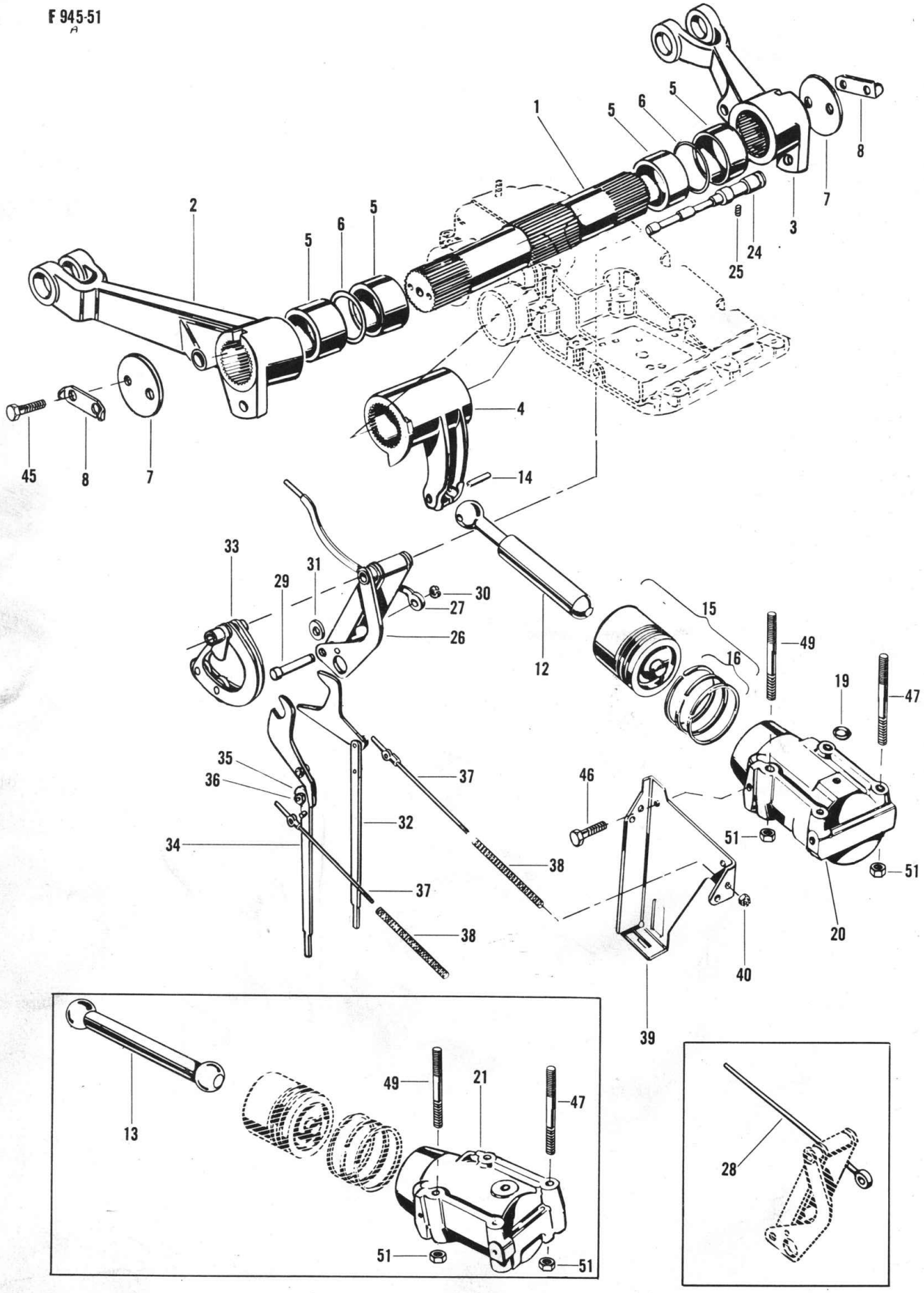
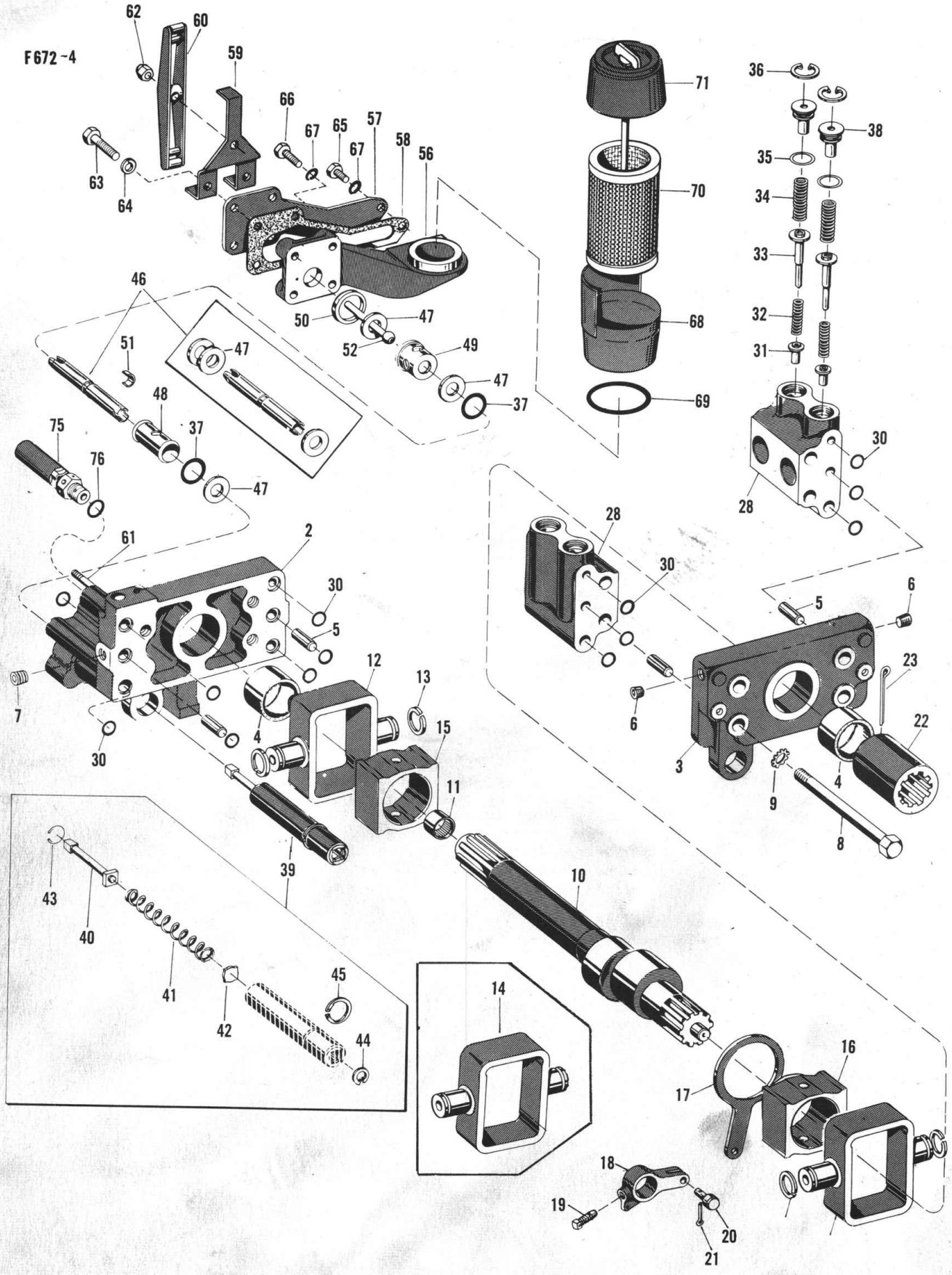


HYDRAULIC LIFT SHAFT

Ref. No.	Part No.	Description	No. Req.
1	184 359 M2	Shaft, Lift	1
2	182 587 M1	Arm, Lift, Right (Normal Duty)	1
2	893 876 M1	Arm, Lift, Right (Heavy Duty)	1
3	182 588 M1	Arm, Lift, Left (Normal Duty)	1
3	893 877 M1	Arm, Lift, Left (Heavy Duty)	1
4	180 970 M2	Arm, Center Lift	1
5	181 018 M1	Bushing, Lift Shaft (2 x 2-3/8 x 1-13/32")	4
6	195 565 M1	"O" Ring, Lift Shaft	2
7	180 917 M1	Washer, Lift Arm Retaining	2
8	180 916 M1	Clip, Lock	2
12 (A)	191 211 M1	Rod, Connecting, Hydraulic Piston	1
13 (B)	180 903 M2	Rod, Connecting, Hydraulic Piston (Dog Bone Type)	1
14	195 583 M1	Pin, Piston Rod to Center Lift Arm (1/4 x 2" Roll)	1
15	184 443 M91	Piston Assembly, Hydraulic Lift (3" Dia. Piston)	1
16	830 741 M91	Ring Kit, Hydraulic Lift Piston	1
19	195 562 M1	"O" Ring, Lift Cylinder (7/16 x 5/8 x 3/32")	1
20 (A)	190 859 M1	Cylinder, Lift (for 3" Dia. Piston)(8-3/16" Long)	1
21 (B)	184 442 M1	Cylinder, Lift (for 3" Dia. Piston)(7-15/16" Long)	1
24	180 997 M1	Shaft, Link	1
25	355 286 X1	Screw, Lock, Link Shaft (5/16 x 5/8" Cup Pt., Sckt. Hd.)	1
26	180 983 M91	Link Assembly, Draft Control	1
27 (A)	190 855 M1	Rod, Draft Control (Curved)	1
28 (B)	180 999 M1	Rod, Draft Control (Straight)(Order 190 855 M1)	1
29	180 990 M1	Pin, Draft Control Rod	1
30	195 575 M1	Ring, Snap, Pin Retaining	1
31	180 991 M1	Roller, Cam	1
32 (A)	190 884 M91	Lever Assembly, Draft Control (Lever 9-9/32" Long)	1
32 (B)	181 001 M91	Lever Assembly, Draft Control (Lever 8-27/32" Long)(Order 190 884 M91)	1
33	180 993 M91	Link Assembly, Position Control	1
34 (A)	190 885 M91	Lever Assembly, Position Control (Lever 9-9/32" Long)	1
34 (B)	181 000 M91	Lever Assembly, Position Control (Lever 8-27/32" Long)(Order 190 885 M91)	1
35	181 008 M1	Cam, Eccentric	1
36	353 918 X1	Nut, Cam Retaining (1/4" NF, Hex.)	1
37	181 011 M1	Rod, Lever Guide	2
38	181 012 M1	Spring, Guide Rod	2
39	181 010 M2	Bracket, Lever Support	1
40	195 663 M1	Nut, Guide Rod	2
45	353 688 X1	Bolt (3/8 x 5/8" NF, Hex.)	2
46	353 558 X1	Bolt (7/16 x 7/8" NF, Hex.)	4
47 (A)	832 711 M1	Stud, Front (1/2" NF-NC x 2-3/4")	2
47 (B)	184 379 M1	Stud, Front (1/2" NF-NC x 2-1/2")	2
49 (A)	832 712 M1	Stud, Rear (1/2" NF-NC x 3-1/2")	2
49 (B)	184 378 M1	Stud, Rear (1/2" NF-NC x 3-1/4")	2
51	353 437 X1	Nut (1/2" NF, Hex.)	4

Notes: (A) - Used Tractor Serial No. 691138 and up.
(B) - Used prior to Tractor Serial No. 691138.

HYDRAULIC LIFT PUMP



HYDRAULIC LIFT PUMP

Ref. No.	Part No.	Description	No. Req. M93	No. Req. M92
(A)	184 473 M93	Pump Assembly (w/Strainer and Piston Rings)	1	-
(B)	184 473 M92	Pump Assembly (w/Strainer and w/out Piston Rings)(Order 184 473 M93)	-	1
2	182 005 M93	Body Assembly, Rear Section (Incl. items 4 and 5)	1	1
3	182 006 M91	Body Assembly, Front Section (Incl. items 4 and 5)	1	1
4	195 949 M1	Bushing, Pump Body (1-3/8 x 1-5/8 x 7/8")	1	1
5	195 591 M1	Pin, Body Locating (3/8 x 1-1/16")	2	2
6	195 567 M1	Plug, Body (1/8" P.T., Sckt. Hd.)	2	2
7	356 040 X1	Plug, Body (1/4" P.T., Sckt. Hd.)	3	3
8	189 518 M1	Bolt, Body (7/16 x 4-1/4" NC, Hex.)	4	4
9	22 465 X	Washer (7/16" Ext. Skpf.)	4	4
10	181 993 M91	Camshaft Assembly	1	1
11	1 000 251 M1	Bearing, Camshaft (Needle)	1	1
12	190 799 M1	Piston, Pump	2	-
13	892 604 M1	Ring, Piston	4	-
14	184 470 M1	Piston, Pump (Order 1 - 190 799 M1 and 2 - 190 848 M1)	-	2
15	180 925 M1	Block, Camshaft, Rear	1	1
16	180 924 M1	Block, Camshaft, Front	1	1
17	180 933 M1	Follower, Cam	1	1
18	180 934 M1	Link, Oscillator	1	1
19	195 568 M1	Screw, Link (1/4" NF, Cup Pt., Sq. Hd.)	1	1
20	354 187 X1	Pin, Clevis, Cam Follower to Link	1	1
21	354 039 X1	Cotter Pin (1/16 x 1/2")	1	1
22	180 926 M1	Coupling, Camshaft Drive (Not used w/Multi-Power Transmission)	1	1
23	354 415 X1	Cotter Pin (5/32 x 2-1/4")(Not used w/Multi-Power Trans.)	1	1
28	184 471 M1	Chamber, Valve	2	2
	830 997 M91	Valve Chamber Repair Kit	1	1
30	831 519 M1	"O" Ring, Body and Valve Chamber (7/16 x 9/16 x 1/16")	13	13
31	180 929 M1	Valve, Inlet	4	4
32	180 927 M1	Spring, Inlet Valve	4	4
33	180 930 M1	Valve, Outlet	4	4
34	180 928 M1	Spring, Outlet Valve	4	4
35	359 001 X1	"O" Ring, Valve Plug (11/16 x 7/8 x 3/32")	4	4
36	827 718 M2	Ring, Snap, Valve Plug Retaining	4	4
37	359 002 X1	"O" Ring, Control Valve (3/4 x 15/16 x 3/32")	2	2
38	181 999 M1	Plug, Valve Chamber	4	4
39	182 001 M91	Oscillator Assembly, Control Valve	1	1
40	180 937 M91	Drive Assembly, Oscillator	1	1
41	180 940 M1	Spring, Control Valve	1	1
42	180 942 M2	Disc, Drive Retainer	1	1
43	180 941 M1	Ring, Snap, Drive Retaining	1	1
44	195 576 M1	Ring, Snap, Disc Retaining	1	1
45	195 946 M1	Ring, Snap, Oscillator Body	1	1
46	189 427 M91	Valve Assembly, Pump Control	1	1
47	180 945 M1	Washer, Valve Sealing (1/2 x 59/64 x 1/16")(Order 189 427 M91)	3	3
48	183 838 M1	Retainer, "O" Ring	1	1
49	180 947 M1	Spacer, Control Valve	1	1
50	180 948 M1	Washer, Spacer (31/32 x 1-1/4 x 1/16")	1	1
51	180 961 M1	Ring, Snap, Control Valve Retaining	1	1
52	189 364 M91	Rod Assembly, Valve Control	1	1
56	189 373 M1	Housing, Oil Intake	1	1
57	189 367 M1	Cover, Housing	1	1
58	189 366 M1	Gasket, Cover	1	1
59	189 368 M1	Guide, Valve Lever	1	1
60	189 370 M91	Lever Assembly, Valve	1	1
61	182 007 M1	Stud, Lever (1/4" NC-NF x 4-1/8")	1	1
62	195 578 M1	Nut, Lever Stud (1/4" NF, Special)	1	1
63	353 683 X1	Bolt (5/16 x 1-1/2" NF, Hex.)	4	4
64	353 446 X1	Washer (5/16" Lock)	4	4
65	353 665 X1	Bolt (1/4 x 1/2" NC, Hex.)	1	1
66	353 671 X1	Bolt (1/4 x 1-1/4" NC, Hex.)	1	1
67	353 441 X1	Washer (1/4" Lock)	2	2
68	185 555 M1	Bowl, Strainer	1	1
69	831 907 M1	"O" Ring, Bowl Seal	1	1
70	~~185 551 M92~~	Strainer Assembly ~~S/N 45/M91~~	1	1
71	185 839 M91	Cap Assembly, Strainer	1	1
75	190 537 M91	Valve Assembly, Safety	1	1
76	831 452 M1	"O" Ring, Safety Valve	1	1

Notes: (A) - Used Transmission Serial No. CQ-9401 and up.
(B) - Used prior to Transmission Serial No. CQ-9401.

HYDRAULIC LIFT PUMP

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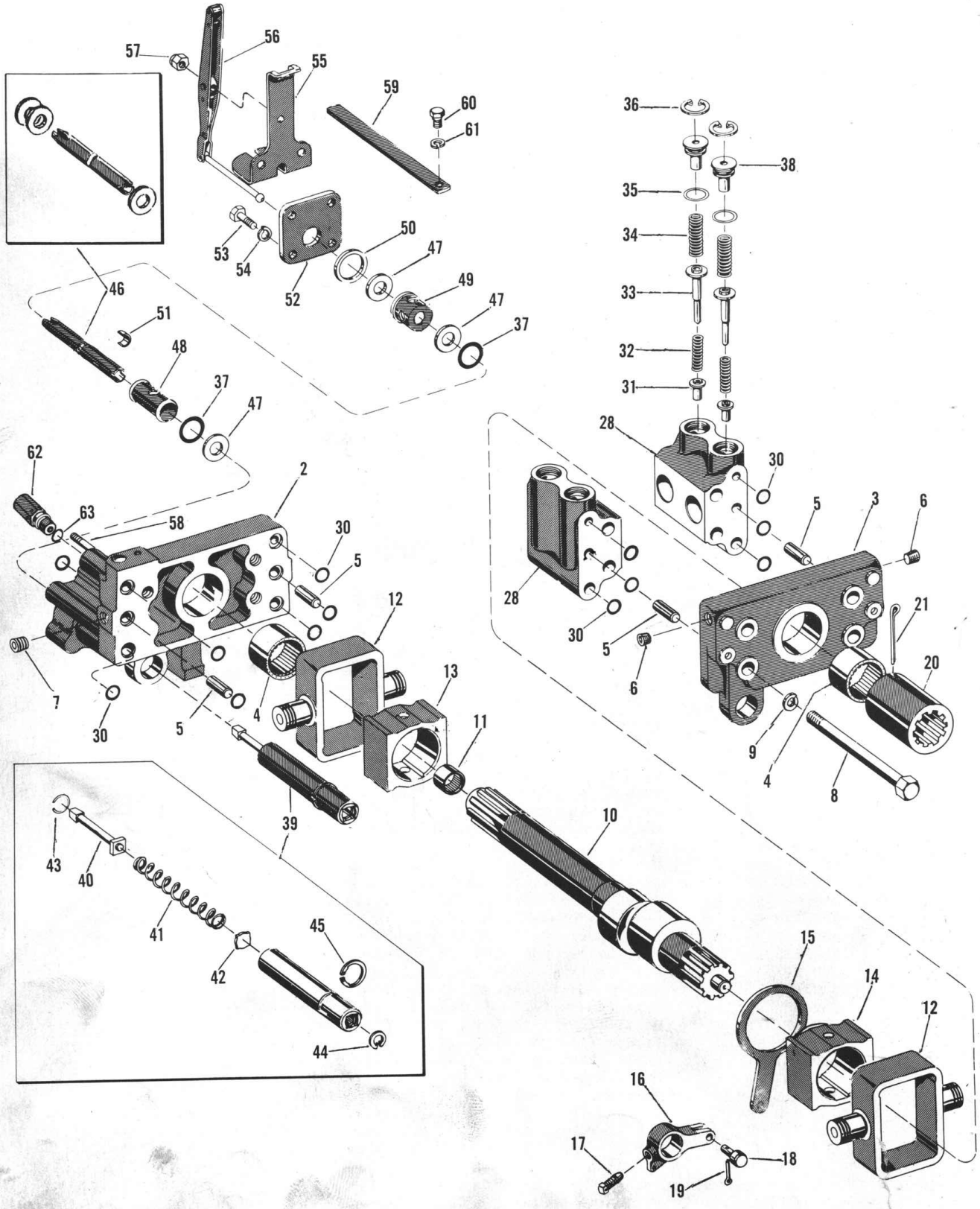

HYDRAULIC LIFT PUMP

(W/OUT STRAINER)

(NO CUT-OFF AVAILABLE)

Ref. No.	Part No.	Description	No. Req.
	184 473 M91	Pump Assembly, Hydraulic (Order 184 473 M93)	1
2	182 005 M92	Body Assembly, Rear Section (Incl. items 4 & 5)(Order 182 005 M93)	1
3	182 006 M91	Body Assembly, Front Section (Incl. items 4 and 5)	1
4	195 950 M1	Bearing, Needle, Pump Body (Order 195 949 M1)	2
5	195 951 M1	Pin, Body Locating (3/8 x 1-1/16")	2
6	195 567 M1	Plug, Body (1/8" Pipe, Sckt. Hd.)	2
7	356 040 X1	Plug, Body (1/4" Pipe, Sckt. Hd.)	3
8	354 642 X1	Bolt, Body (7/16 x 4-1/4" NC, Hex.)	4
9	353 432 X1	Washer (7/16" Lock)	4
10	181 993 M91	Camshaft Assembly	1
11	1 000 251 M1	Bearing, Camshaft (Needle)	1
12	184 470 M1	Piston, Pump (Order 1 - 190 799 M1 and 2 - 190 848 M1)	2
13	180 925 M1	Block, Camshaft, Rear	1
14	180 924 M1	Block, Camshaft, Front	1
15	180 933 M1	Follower, Cam	1
16	180 934 M1	Link, Oscillator	1
17	195 568 M1	Screw, Link (1/4" NF, Cup Pt., Sq. Hd.)	1
18	354 187 X1	Pin, Clevis, Cam Follower to Link	1
19	354 039 X1	Cotter Pin (1/16 x 1/2")	1
20	180 926 M1	Coupling, Camshaft Drive	1
21	354 415 X1	Cotter Pin (5/32 x 2-1/4")	1
28	184 471 M1	Chamber, Valve	2
	830 997 M91	Valve Chamber Repair Kit	1
30	831 519 M1	"O" Ring, Body and Valve Chamber (7/16 x 9/16 x 1/16")	13
31	180 929 M1	Valve, Inlet	4
32	180 927 M1	Spring, Inlet Valve	4
33	180 930 M1	Valve, Outlet	4
34	180 928 M1	Spring, Outlet Valve	4
35	359 001 X1	"O" Ring, Valve Plug (11/16 x 7/8 x 3/32")	4
36	827 718 M2	Ring, Snap, Valve Plug Retaining	4
37	359 002 X1	"O" Ring, Control Valve (3/4 x 15/16 x 3/32")	2
38	181 999 M1	Plug, Valve Chamber	4
39	182 001 M91	Oscillator Assembly, Control Valve	1
40	180 937 M91	Drive Assembly, Oscillator	1
41	180 940 M1	Spring, Control Valve	1
42	180 942 M2	Disc, Drive Retainer	1
43	180 941 M1	Ring, Snap, Drive Retaining	1
44	195 576 M1	Ring, Snap, Disc Retaining	1
45	195 946 M1	Ring, Snap, Oscillator Body	1
46	189 427 M91	Valve Assembly, Pump Control	1
47	180 945 M1	Washer, Valve Sealing (1/2 x 59/64 x 1/16")(Order 189 427 M91)	3
48	183 838 M1	Retainer, "O" Ring	1
49	180 947 M1	Spacer, Control Valve	1
50	180 948 M1	Washer, Spacer (31/32 x 1-1/4 x 1/16")	1
51	180 961 M1	Ring, Snap, Control Valve Retaining	1
52	180 949 M1	Plate, Control Valve	1
53	353 678 X1	Bolt (5/16 x 7/8" NC, Hex.)	4
54	353 446 X1	Washer (5/16" Lock)	4
55	180 950 M1	Bracket, Valve Lever Guide	1
56	180 952 M91	Lever Assembly, Valve Control	1
57	195 578 M1	Nut, Lever Retaining (1/4" NF, Special)	1
58	182 007 M1	Stud, Lever (1/4" NC-NF x 4-1/8")	1
59	181 998 M1	Guide, Valve Lever, Upper	1
60	353 666 X1	Bolt (1/4 x 5/8" NC, Hex.)	1
61	353 441 X1	Washer (1/4" Lock)	1
62	190 537 M91	Valve Assembly, Pump Safety	1
63	831 452 M1	"O" Ring, Valve	1

CENTER LIFT LINKAGE

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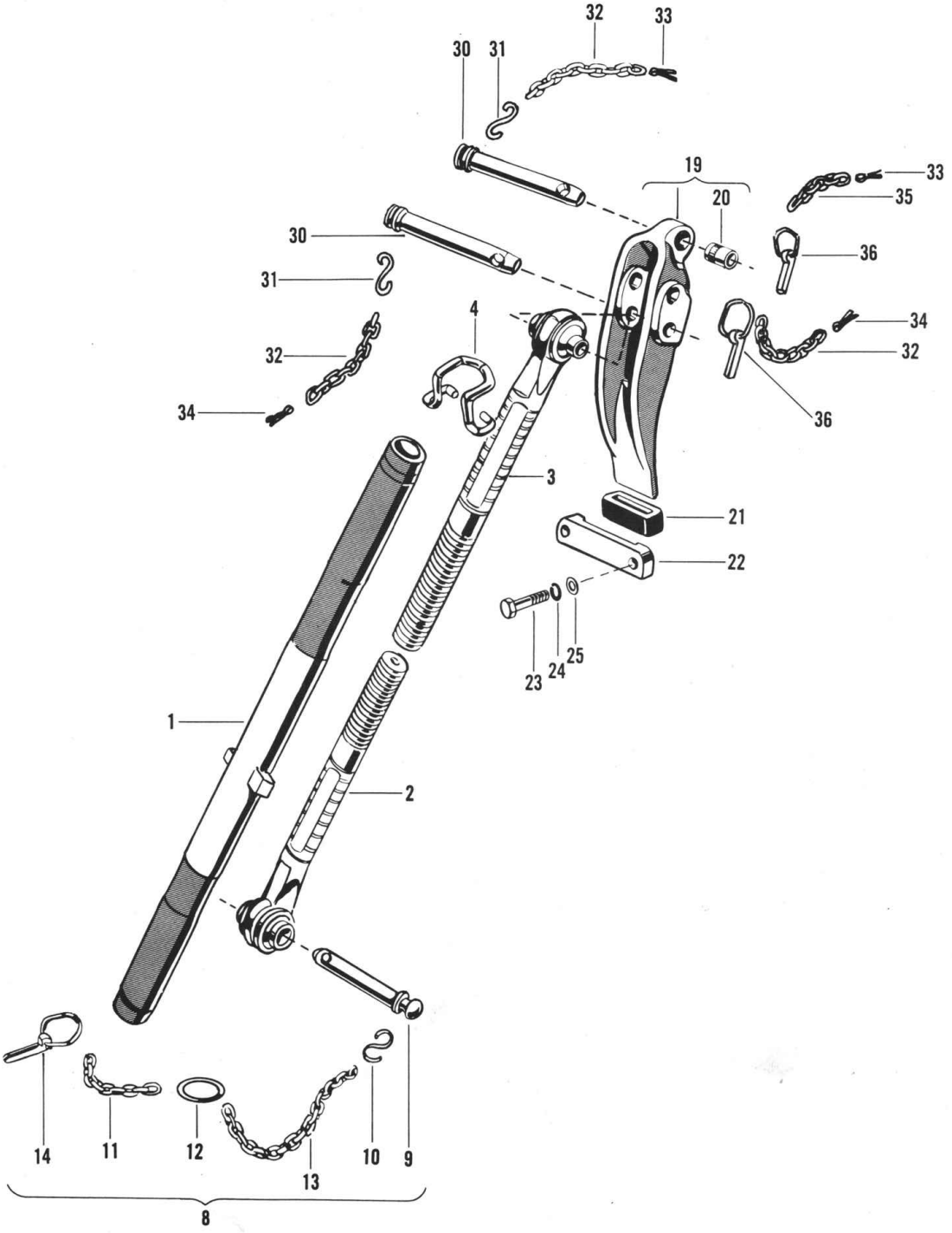


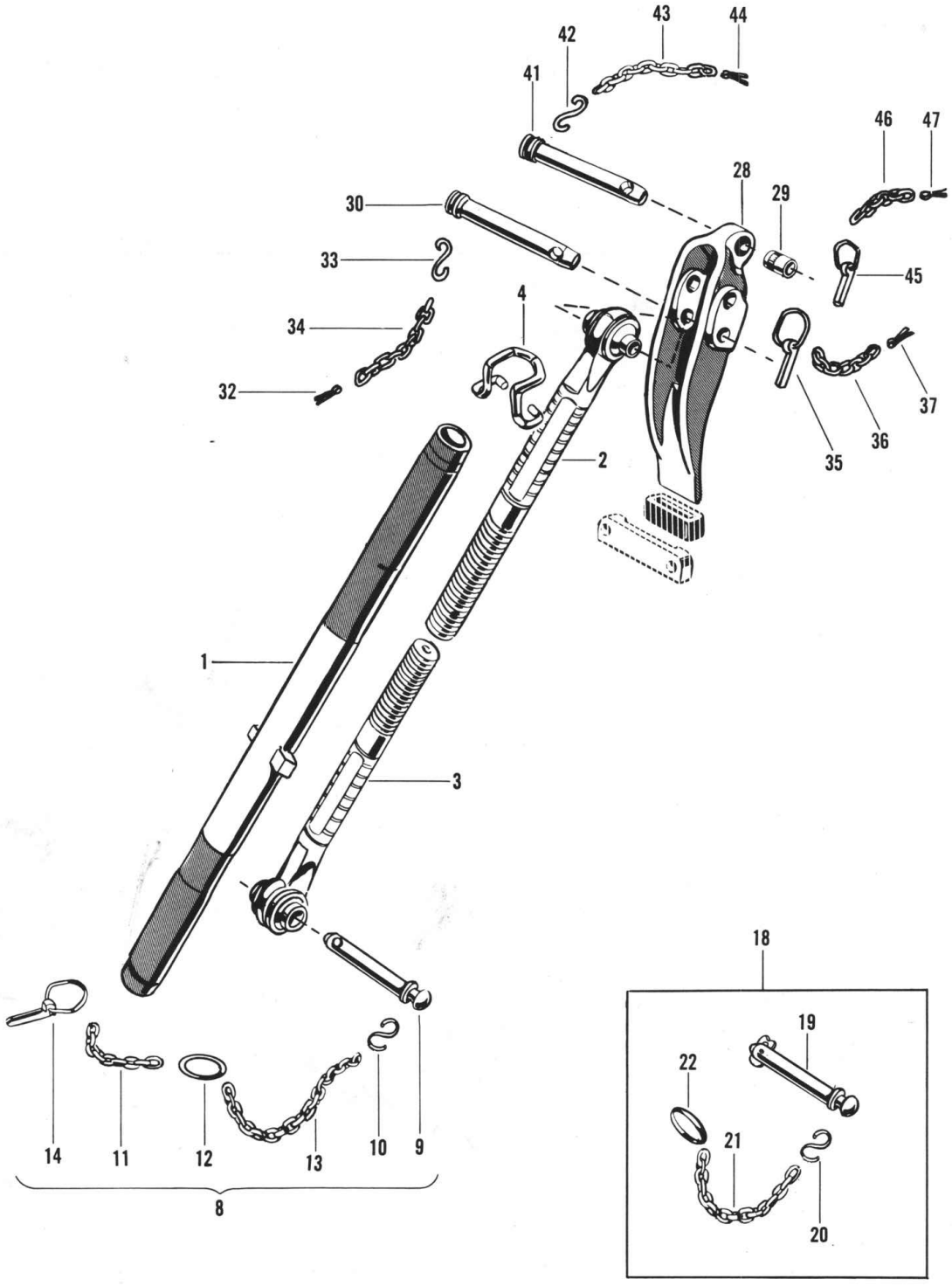
CENTER LIFT LINKAGE

(NORMAL DUTY)

Ref. No.	Part No.	Description	No. Req.
1	184 225 M91	Tube Assembly, Top Link (Lo-Clr.) (18-3/4" Long)	1
1	184 362 M91	Tube Assembly, Top Link (Hi-Clr.) (21-1/2" Long)	1
2	184 079 M91	End Assembly, Ball (Tractor End) (for 3/4" Dia. Pin)	1
3	183 619 M92	End Assembly, Ball (Implement End) (For 3/4" Dia. Pin)	1
4	183 614 M2	Spring, Top Link Lock	1
8	184 355 M91	Pin Assembly, Implement End (3/4" Dia. Pin)	1
9	831 513 M1	Pin (3/4" Dia.)	1
10	195 559 M1	Eye, Chain to Pin	1
11	195 344 M1	Chain, Pin (8 Links)	1
12	182 977 M1	Ring, Chain	1
13	195 340 M1	Chain, Pin (11 Links)	1
14	196 280 M91	Pin Assembly, Linch	1
19	185 854 M92	Beam Assembly, Control	1
20	184 551 M1	Bushing, Beam	1
21	184 555 M1	Mount, Control Beam (Rubber)	1
22	184 554 M1	Bracket, Control Beam	1
23	353 562 X1	Bolt, Bracket (7/16 x 1-3/8" NF, Hex.)	2
24	353 432 X1	Washer (7/16" Lock)	2
25	353 757 X1	Washer (7/16" Small Flat)	2
30	195 589 M1	Pin, Top Link and Beam (3/4" Dia.)	2
31	195 559 M1	Eye, Chain to Pin	2
32	195 340 M1	Chain, Pin (11 Links)	3
33	354 074 X1	Cotter Pin (3/16 x 3/4")	2
34	354 078 X1	Cotter Pin (3/16 x 1-1/4")	2
35	195 342 M1	Chain, Linch Pin (7 Links) (Order 195 344 M1)	1
36	196 280 M91	Pin Assembly, Linch	2

CENTER LIFT LINKAGE

F 1063-75



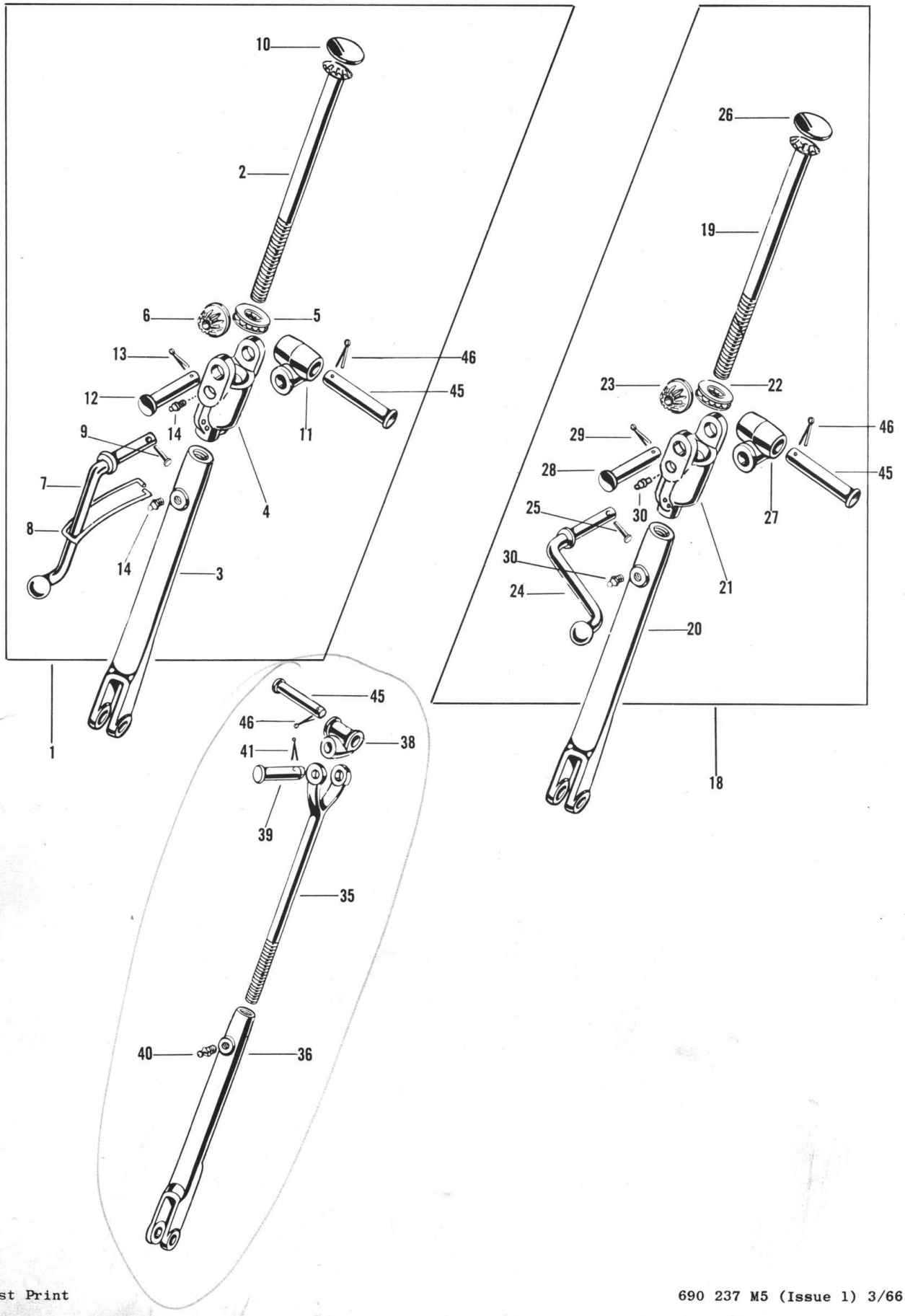
CENTER LIFT LINKAGE

(HEAVY DUTY)

Ref. No.	Part No.	Description	No. Req.
1	184 225 M91	Tube Assembly, Top Link (Lo-Clr.) (18-3/4" Long)	1
1	184 362 M91	Tube Assembly, Top Link (Hi-Clr.) (21-1/2" Long)	1
2	183 623 M93	End Assembly, Ball (Tractor End) (for 1" Dia. Pin)	1
3	183 619 M92	End Assembly, Ball (Implement) (for 3/4" Dia. Pin)	1
3	183 615 M93	End Assembly, Ball (Implement) (for 1" Dia. Pin)	1
4	183 614 M2	Spring, Top Link Lock	1
8	184 355 M91	Pin Assembly, Implement End (Cat. I) (3/4" Dia. Pin)	1
9	831 513 M1	Pin (3/4" Dia.)	1
10	195 559 M1	Eye, Chain to Pin	1
11	195 344 M1	Chain, Pin (8 Links)	1
12	182 977 M1	Ring, Chain	1
13	195 340 M1	Chain, Pin (11 Links)	1
14	196 280 M91	Pin Assembly, Linch	1
18	183 611 M92	Pin Assembly, Implement End (Cat. II) (1" Dia. Pin)	1
19	185 873 M91	Pin Assembly (1" Dia.)	1
20	195 559 M1	Eye, Chain to Pin	1
21	195 340 M1	Chain, Pin (11 Links)	1
22	182 977 M1	Ring, Chain	1
	892 474 M91	Beam Assembly, Control	1
28		Beam, Control (Order 892 474 M91)	1
29	184 551 M1	Bushing, Beam	1
30	892 476 M1	Pin, Top Link (1" Dia.)	1
32	354 078 X1	Cotter Pin (3/16 x 1-1/4")	1
33	893 741 M1	Eye, Chain to Pin	1
34	195 340 M1	Chain, Pin (11 Links)	1
35	196 280 M91	Pin Assembly, Linch	1
36	195 340 M1	Chain, Linch Pin (11 Links)	1
37	354 078 X1	Cotter Pin (3/16 x 1-1/4")	1
41	195 589 M1	Pin, Beam (3/4" Dia.)	1
42	195 559 M1	Eye, Chain to Pin	1
43	195 340 M1	Chain, Beam Pin (11 Links)	1
44	354 074 X1	Cotter Pin (3/16 x 3/4")	1
45	196 280 M91	Pin Assembly, Linch, Beam Pin Retaining	1
46	195 342 M1	Chain, Linch Pin (7 Links) (Order 195 344 M1)	1
47	354 074 X1	Cotter Pin (3/16 x 3/4")	1

UPPER LIFT LINKS

F1068-1



UPPER LIFT LINKS (NORMAL DUTY)

RIGHT HAND

Ref. No.	Part No.	Description	No. Req.
1 (A)	193 501 M91	Lift Assembly, Leveling Box (Lo-Clr.)	1
1 (A)	193 502 M91	Lift Assembly, Leveling Box (Hi-Clr.)	1
2	184 354 M1	Shaft, Leveling Gear (Lo-Clr.) (12-1/4" Long)	1
2	184 353 M1	Shaft, Leveling Gear (Hi-Clr.) (14-1/2" Long)	1
3	193 343 M1	Fork, Lift Rod (2-5/32" Across Fork)	1
4	193 181 M1	Box, Lift Gears	1
5	195 457 M1	Bearing, Pinion Shaft	1
6	181 345 M1	Gear, Lift Lever	1
7	193 066 M1	Lever, Lift (Approx. 10" Long)	1
8	193 092 M1	Ring, Lock, Lift Lever	1
9	195 648 M1	Rivet, Lever (3/16 x 7/8" Oval Hd.)	1
10	11 475 X	Plug, Box (1-3/4" Expansion)	1
11	180 853 M1	Knuckle, Leveling Box	1
12	180 860 M1	Pin, Knuckle Retaining	1
13	354 059 X1	Cotter Pin (1/8 x 1")	1
14	13 811 X	Grease Fitting (1/4" - 28 Str.)	2
1 (B)	193 180 M91	Lift Assembly, Leveling Box (Lo-Clr.)(Order 193 501 M91)	1
1 (B)	193 177 M91	Lift Assembly, Leveling Box (Hi-Clr.) (Order 193 502 M91)	1
2	184 354 M1	Shaft, Leveling Gear (Lo-Clr.) (12-1/4" Long)	1
2	184 353 M1	Shaft, Leveling Gear (Hi-Clr.) (14-1/2" Long)	1
3	184 358 M1	Fork, Lift Rod (1-1/2" Across Fork)	1
4	193 181 M1	Box, Lift Gears	1
5	195 457 M1	Bearing, Pinion Shaft	1
6	181 345 M1	Gear, Lift Lever	1
7	193 066 M1	Lever, Lift (Approx. 10" Long)	1
8	193 092 M1	Ring, Lock, Lift Lever	1
9	195 648 M1	Rivet, Lever (3/16 x 7/8" Oval Hd.)	1
10	11 475 X	Plug, Box (1-3/4" Expansion)	1
11	180 853 M1	Knuckle, Leveling Box	1
12	180 860 M1	Pin, Knuckle Retaining	1
13	354 059 X1	Cotter Pin (1/8 x 1")	1
14	13 811 X	Grease Fitting (1/4" - 28 Str.)	2
18 (C)	184 347 M93	Lift Assembly, Leveling Box (Lo-Clr.) (Order 193 501 M91)	1
18 (C)	184 346 M93	Lift Assembly, Leveling Box (Hi-Clr.) (Order 193 502 M91)	1
19	184 354 M1	Shaft, Leveling Gear (Lo-Clr.) (12-1/4" Long)	1
19	184 353 M1	Shaft, Leveling Gear (Hi-Clr.) (14-1/2" Long)	1
20	184 358 M1	Fork, Lift Rod (1-1/2" Across Fork)	1
21	181 344 M3	Box, Lift Gears (Order 193 181 M1)	1
22	195 457 M1	Bearing, Pinion Shaft	1
23	181 345 M1	Gear, Lift Lever	1
24	181 349 M1	Lever, Lift (Approx. 7-1/2" Long) (Order 193 066 M1)	1
25	195 648 M1	Rivet, Lever (3/16 x 7/8" Oval Hd.)	1
26	11 475 X	Plug, Box (1-3/4" Expansion)	1
27	180 853 M1	Knuckle, Leveling Box	1
28	180 860 M1	Pin, Knuckle Retainer	1
29	354 059 X1	Cotter Pin (1/8 x 1")	1
30	13 811 X	Grease Fitting (1/4" - 28 Str.)	2

LEFT HAND

35	184 350 M1	Yoke, Leveling Rod	1
36 (A)	193 343 M1	Fork, Leveling Rod (2-5/32" Across Fork)	1
36 (D)	184 358 M1	Fork, Leveling Rod (1-1/2" Across Fork)	1
38	180 853 M1	Knuckle, Leveling Rod	1
39	180 860 M1	Pin, Knuckle Retainer	1
40	13 811 X	Grease Fitting (1/4" - 28 Str.)	1
41	354 059 X1	Cotter Pin (1/8 x 1")	1
45	180 860 M1	Pin, Leveling Box to Lift Arms	2
46	354 059 X1	Cotter Pin (1/8 x 1")	2

Notes: (A) - Used Tractor Serial Nos. (Hi-Clr.) 702687, (Lo-Clr.) 702715 and up.
(B) - Used Tractor Serial Nos. 692998 to (Hi-Clr.) 702687 and (Lo-Clr.) 702715.
(C) - Used prior to Tractor Serial No. 692998.
(D) - Used prior to Tractor Serial No. (Hi-Clr.) 702687 and (Lo-Clr.) 702715.

UPPER LIFT LINKS (HEAVY DUTY)

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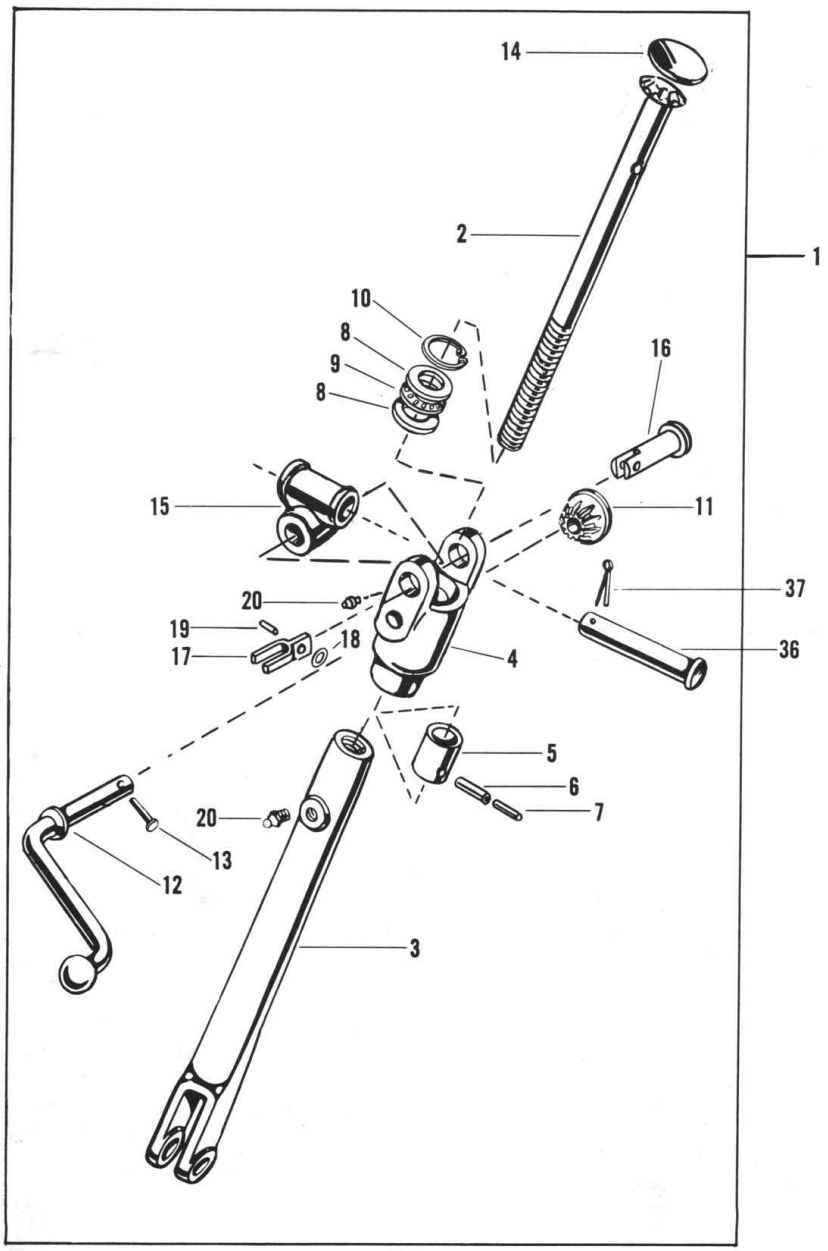
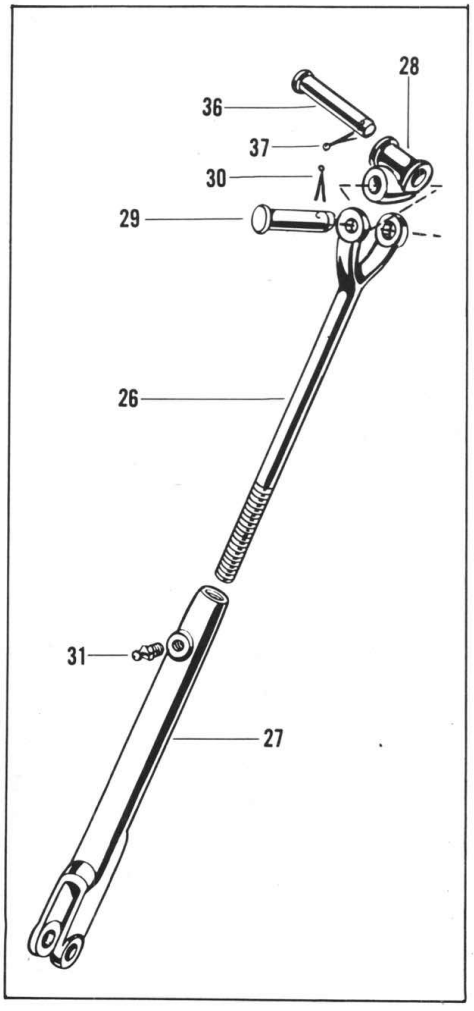
A



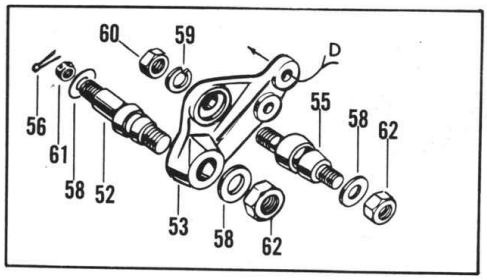


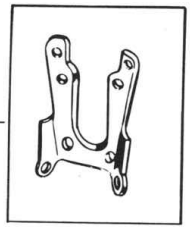
UPPER LIFT LINKS (HEAVY DUTY)

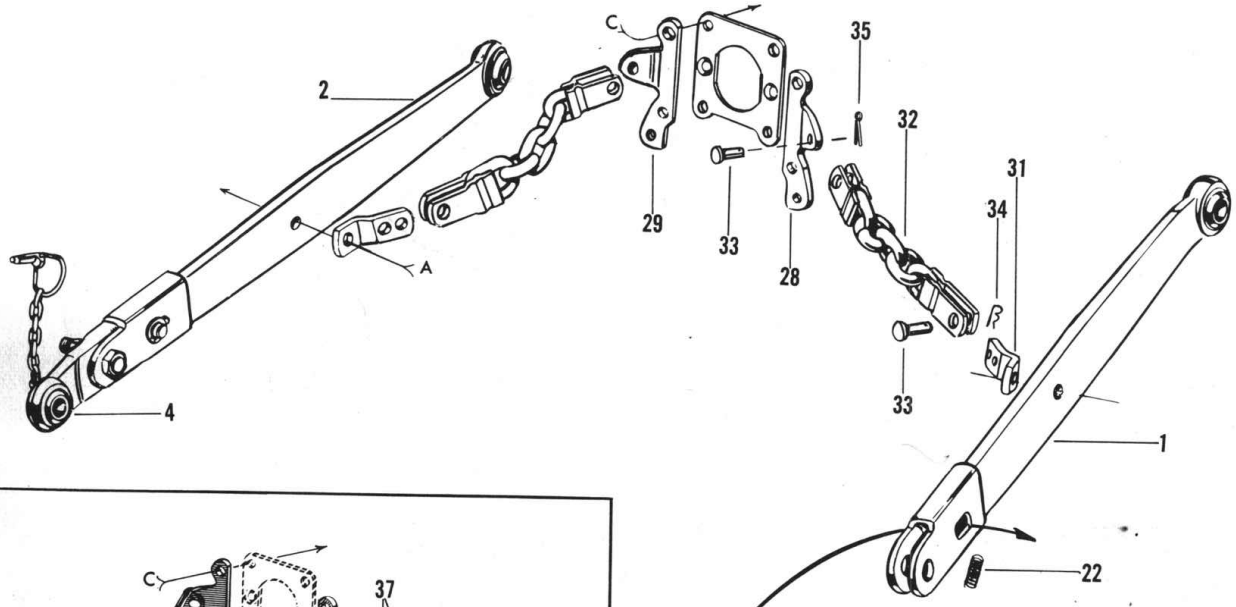
Ref. No.	Part No.	Description	No. Req.
1	193 920 M91	Lift Assembly, Leveling Box (Lo-Clr.) Right (Incls. Items 2-20)....	1
1	193 921 M91	Lift Assembly, Leveling Box (Hi-Clr.) Right (Incls. Items 2-20)....	1
2	893 563 M1	Shaft, Leveling Gear (Lo-Clr.).....	1
2	893 564 M1	Shaft, Leveling Gear (Hi-Clr.).....	1
3	893 405 M1	Fork, Lift.....	1
4	893 561 M1	Box, Leveling.....	1
5	183 634 M1	Bushing, Leveling Shaft.....	1
6	356 939 X1	Pin, Bushing to Shaft (1/4 x 1-1/4" Roll).....	1
7	354 461 X1	Pin, Bushing to Shaft (5/32 x 1-1/4" Roll).....	1
8	183 630 M1	Race, Thrust Bearing.....	2
9	831 263 M1	Bearing, Needle.....	1
10	355 976 X1	Ring, Snap, Thrust Bearing Retaining.....	1
11	181 345 M1	Gear, Leveling.....	1
12	181 349 M1	Lever, Leveling (Order 193 066 M1, See Page 291).....	1
13	195 648 M1	Rivet, Gear to Lever.....	1
14	11 475 X	Plug, Leveling Box (1-3/4" Expansion).....	1
15	893 560 M1	Knuckle, Leveling Box.....	1
16	193 912 M1	Pin, Knuckle to Box.....	1
17	193 911 M1	Lock, Leveling Lever.....	1
18	364 026 X1	Washer (Spring Type).....	1
19	22 668 X	Pin, Lock to Pin (1/4 x 3/4" Roll).....	1
20	13 811 X	Grease Fitting (1/4" - 28 Str.).....	2
26	893 562 M91	Yoke Assembly (Left).....	1
27	893 405 M1	Fork, Lift.....	1
28	893 560 M1	Knuckle, Yoke.....	1
29	893 567 M1	Pin, Knuckle to Yoke.....	1
30	354 070 X1	Cotter Pin (5/32 x 1-1/2").....	1
31	13 811 X	Grease Fitting (1/4" - 28 Str.).....	1
36	893 568 M1	Pin, Leveling Rods to Lift Arms.....	2
37	354 068 X1	Cotter Pin (5/32 x 1-1/4").....	2

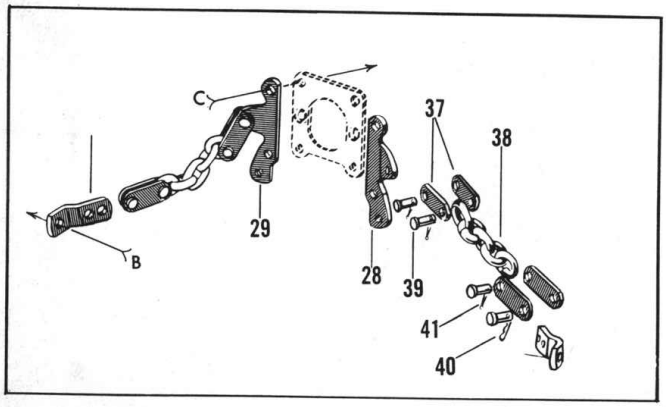
LOWER LIFT LINKS

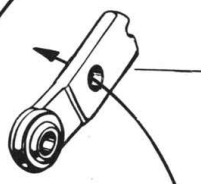
F1069

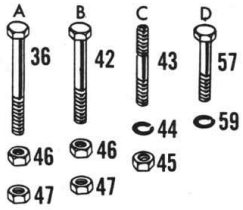


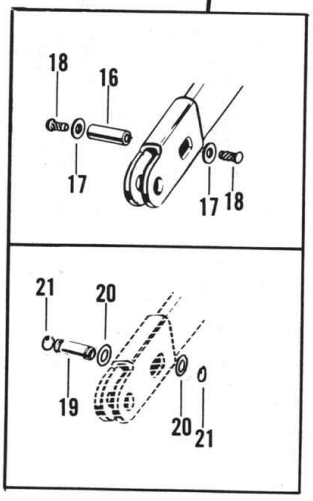


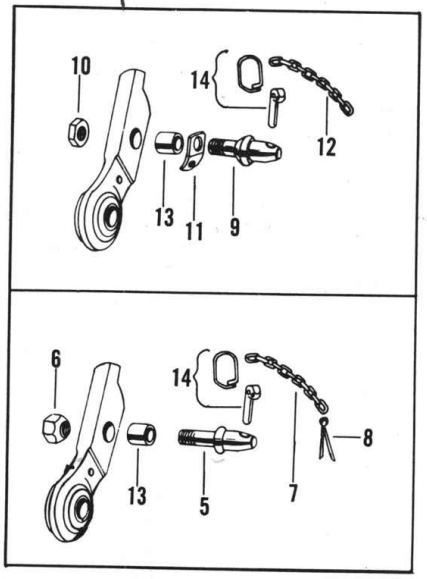












LOWER LIFT LINKS

(NORMAL DUTY)

Ref. No.	Part No.	Description	No. Req.
1	184 342 M93	Link Assembly, Right (Lo-Clr.) (30-1/2" Between Hole Centers)	1
1	184 344 M93	Link Assembly, Right (Hi-Clr.) (34-1/2" Between Hole Centers)	1
2	184 343 M93	Link Assembly, Left (Lo-Clr.) (30-1/2" Between Hole Centers)	1
2	184 370 M93	Link Assembly, Left (Hi-Clr.) (34-1/2" Between Hole Centers)	1
3	184 463 M92	End Assembly, Right (for 3/4" Dia. Pin)	1
4	184 464 M92	End Assembly, Left (for 3/4" Dia. Pin)	1
5 (A)	186 802 M1	Pin, Anchor, Lower Stay (3/4" NF x 3-1/4") (See Illustration)	2
6 (A)	186 809 M1	Nut, Anchor Pin (3/4" NF, Special) (See Illustration)	2
7 (A)	195 344 M1	Chain, Anchor (8 Links)	2
8 (A)	354 076 X1	Cotter Pin (3/16 x 1")	2
9 (B)	183 617 M1	Pin, Anchor, Lower Stay (3/4" NF x 3-1/8") (See Illustration)	2
10 (B)	353 436 X1	Nut, Anchor Pin (3/4" NF, Half Hex.)	2
11 (B)	183 621 M1	Anchor, Chain	2
12 (B)	195 340 M1	Chain, Anchor (11 Links)	2
13	491 050 M2	Bushing, Anchor Pin (49/64 x 1 x 23/32")	2
14	196 280 M91	Linch Pin Assembly	2
16 (A)	188 148 M1	Bushing, Lower Link Locking (7/32 x 5/8 x 1-5/16") (See Illustration)	2
17 (A)	188 359 M1	Washer, Bushing (17/64 x 1 x 5/64")	4
18 (A)	353 957 X1	Screw, Drive, Bushing Retaining	4
19 (B)	491 052 M1	Pin, Lower Link Locking (See Illustration)	2
20 (B)	49 350 X	Washer, Pin (41/64 x 1 x 1/16")	4
21 (B)	353 213 X1	Ring, Snap, Pin Retaining	4
22	491 105 M1	Spring, Lower Link	2
28	894 036 M1	Bracket, Check Chain, Right (Lo-Clr.)	1
29	894 037 M1	Bracket, Check Chain, Left (Lo-Clr.)	1
30	894 038 M1	Bracket, Check Chain (Hi-Clr.)	1
31	184 368 M1	Bracket, Check Chain (on Lower Link)	2
32 (C)	193 500 M1	Check Chain Assembly (Lo-Clr.) (9-3/4" Between Hole Centers)	2
32 (C)	193 499 M1	Check Chain Assembly (Hi-Clr.) (9-1/2" Between Hole Centers)	2
33 (C)	195 396 M1	Pin, Check Chain (1/2 x 1" Clevis)	4
34 (C)	195 415 M1	Pin, Hair (at Lower Link Bracket)	2
35 (C)	354 066 X1	Cotter Pin (5/32 x 1") (at Tractor Bracket)	2
36 (C)	363 758 X1	Bolt (5/8 x 3-5/8" NF, Hex.)	2
37 (D)	184 357 M1	Link, Check Chain (Lo-Clr.) (3-5/32" Long)	8
37 (D)	184 357 M1	Link, Check Chain (Hi-Clr.) (3-5/32" Long)	4
37 (D)	184 369 M1	Link, Check Chain (Hi-Clr.) (2-29/32" Long)	4
38 (D)	184 377 M1	Chain, Check (5 Links)	2
39 (D)	195 396 M1	Pin, Check Chain Link (1/2 x 1" Clevis)	8
40 (D)	195 415 M1	Pin, Hair (at Lower Link Bracket)	2
41 (D)	354 066 X1	Cotter Pin (5/32 x 1")	6
42 (D)	831 515 M2	Bolt (5/8 x 3" NF, Hex.)	2
43	184 380 M1	Stud (7/16" NC-NF x 2-1/4")	4
44	353 432 X1	Washer (7/16" Lock)	4
45	353 426 X1	Nut (7/16" NF, Hex.)	4
46	353 429 X1	Nut (5/8" NF, Half Hex.)	2
47	353 427 X1	Nut (5/8" NF, Hex.)	2
52	893 419 M1	Shaft, Lower Link	2
53	894 860 M1	Adapter, Lower Link, Right (Hi-Clr.)	1
53	894 861 M1	Adapter, Lower Link, Left (Hi-Clr.)	1
55	184 400 M1	Shaft, Lower Link Adapter (Hi-Clr.)	2
56	354 068 X1	Cotter Pin (5/32 x 1-1/4")	2
57	354 710 X1	Bolt (3/4 x 2" NC, Hex.)	2
58	353 775 X1	Washer (3/4" Large Flat)	6
59	353 440 X1	Washer (3/4" Lock)	2
60	353 435 X1	Nut (3/4" NF, Hex.)	2
61	353 928 X1	Nut (3/4" NF, Hex., Sltd.)	2
62	376 451 X1	Nut (3/4" NF, Hex., Special)	4

Notes: (A) - No Cut-off available; used late Model Tractor.
(B) - No Cut-off available; used early Model Tractor.
(C) - Used Tractor Serial Nos.(Hi-Clr.) 702687, (Lo-Clr.) 702715 and up.
(D) - Used prior to Tractor Serial Nos. (Hi-Clr.) 702687 and (Lo-Clr.) 702715.

LOWER LIFT LINKS

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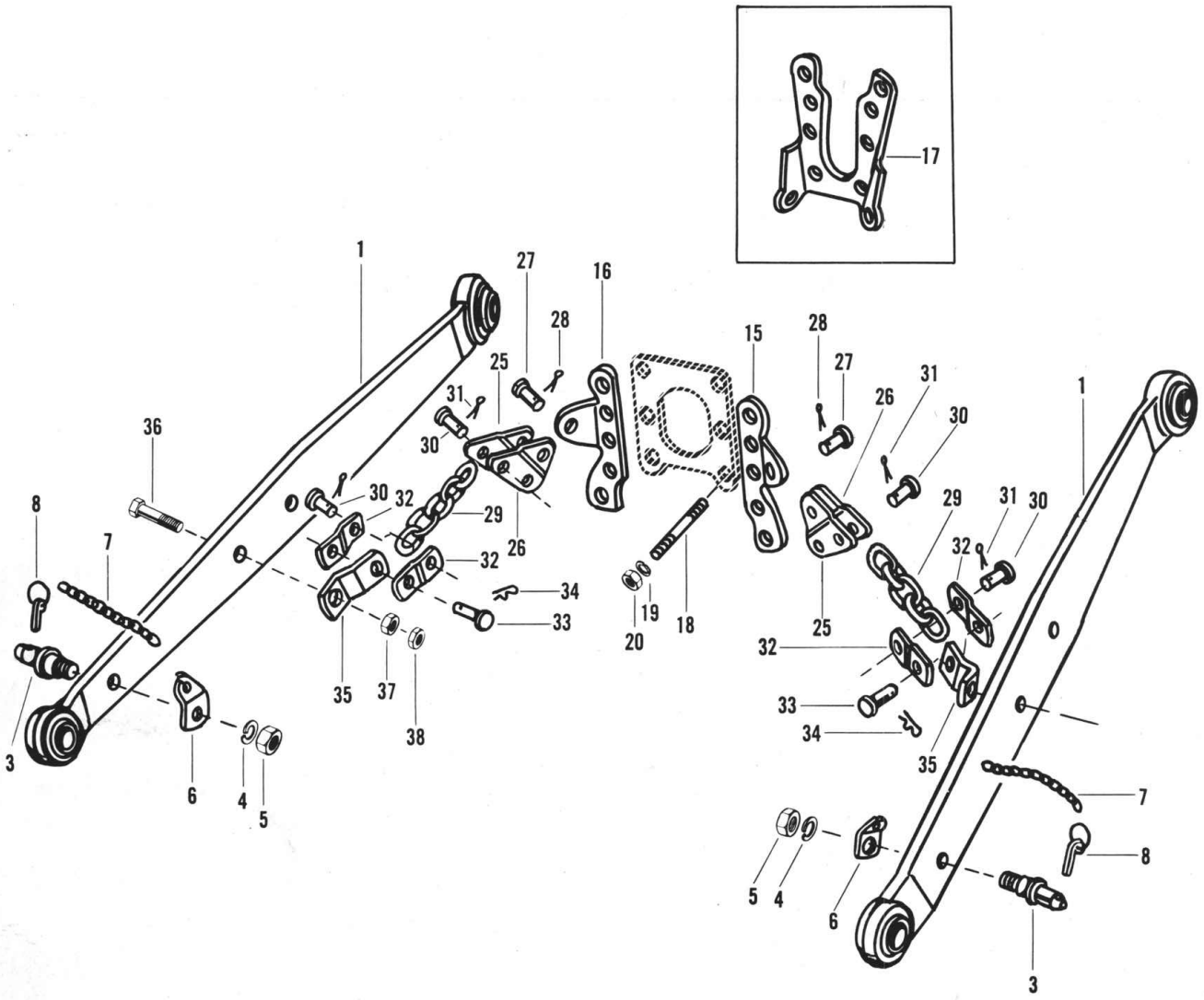


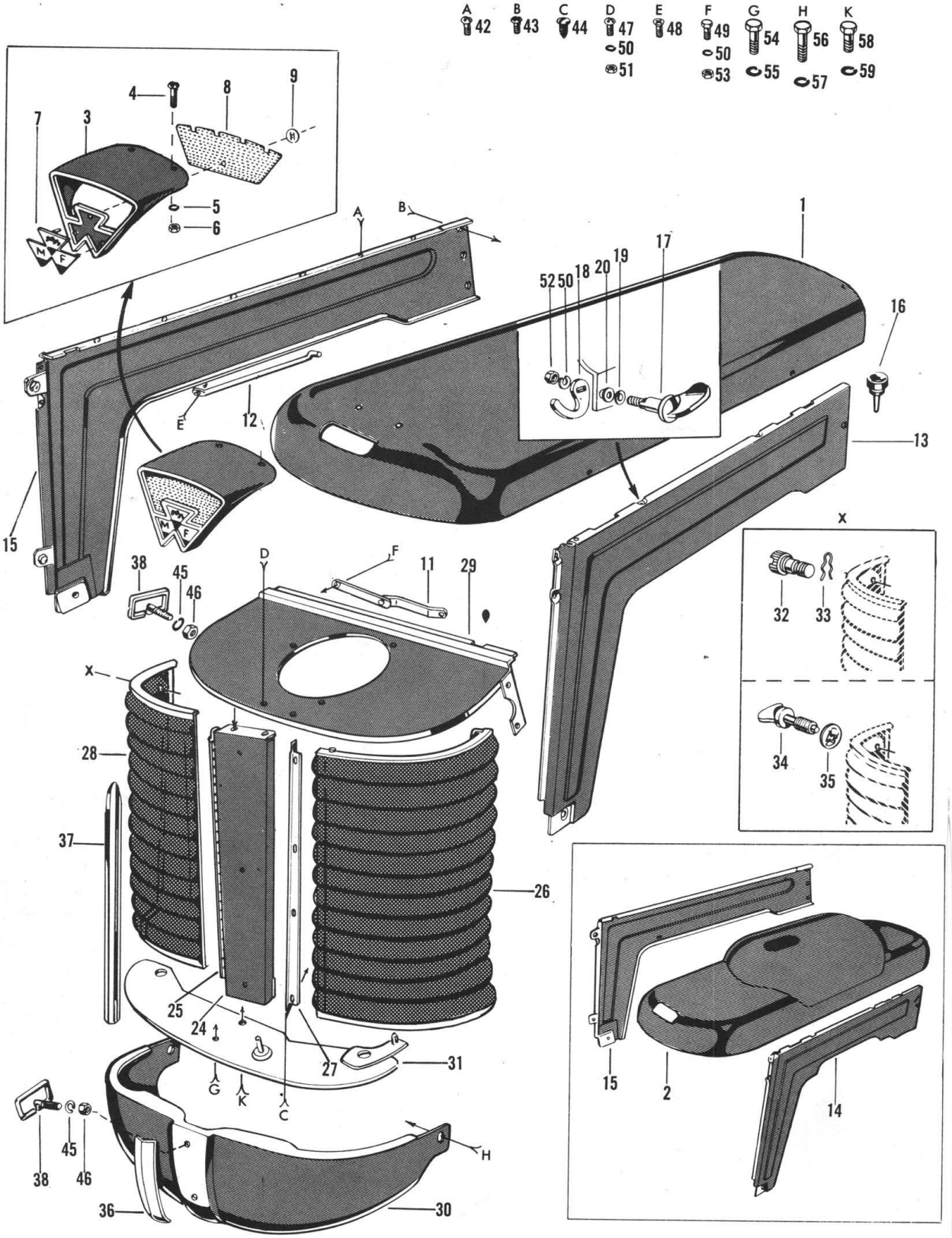
LOWER LIFT LINKS

(HEAVY DUTY)

Ref. No.	Part No.	Description	No. Req.
1	894 386 M92	Link Assembly (Lo-Clr.) (Cat. I)	2
1	894 388 M92	Link Assembly (Hi-Clr.) (Cat. I)	2
1	893 427 M92	Link Assembly (Lo-Clr.) (Cat. II)	2
1	893 430 M92	Link Assembly (Hi-Clr.) (Cat. II)	2
3	893 420 M1	Pin, Stay Anchor (3/4" NF, Thrd.)	2
4	353 440 X1	Washer, Pin (3/4" Lock)	2
5	353 435 X1	Nut, Pin (3/4" NF, Hex.)	2
6	183 621 M1	Anchor, Linch Pin Chain	2
7	195 340 M1	Chain, Linch Pin (11 Links)	2
8	196 280 M91	Pin Assembly, Linch	2
15	894 036 M1	Bracket, Check Chain, Right (Lo-Clr.)	1
16	894 037 M1	Bracket, Check Chain, Left (Lo-Clr.)	1
17	894 038 M1	Bracket, Check Chain (Hi-Clr.)	1
18	184 380 M1	Stud, Check Chain Bracket (7/16" NC-NF x 2-1/4")	4
19	353 432 X1	Washer, Stud (7/16" Lock)	4
20	353 426 X1	Nut, Stud (7/16" NF, Hex.)	4
25	892 458 M1	Plate, Check Chain to Tractor (Outer Left and Inner Right)(Lo-Clr.)	2
25	892 496 M1	Plate, Check Chain to Tractor (Outer Left and Inner Right)(Hi-Clr.)	2
26	892 459 M1	Plate, Check Chain to Tractor (Inner Left and Outer Right)(Lo-Clr.)	2
26	892 497 M1	Plate, Check Chain to Tractor (Inner Left and Outer Right)(Hi-Clr.)	2
27	195 397 M1	Pin, Plate to Tractor	2
28	354 066 X1	Cotter Pin (5/32 x 1")	2
29	893 410 M1	Chain, Check	2
30	195 405 M1	Pin, Chain	4
31	354 066 X1	Cotter Pin (5/32 x 1")	4
32	893 407 M2	Link, Chain to Lower Link Bracket	4
33	195 397 M1	Pin, Link	2
34	195 415 M1	Pin, Hair	2
35	894 029 M1	Bracket, Check Chain to Lower Link	2
36	894 034 M1	Bolt (3/4 x 3-3/4" NF, Hex., Special)	2
37	353 435 X1	Nut (3/4" NF, Hex.)	2
38	353 436 X1	Nut (3/4" NF, Half Hex.)	2

HOOD AND SIDE PANELS, GRILLE AND SUPPORT

F819-1



HOOD AND SIDE PANELS, GRILLE AND SUPPORT

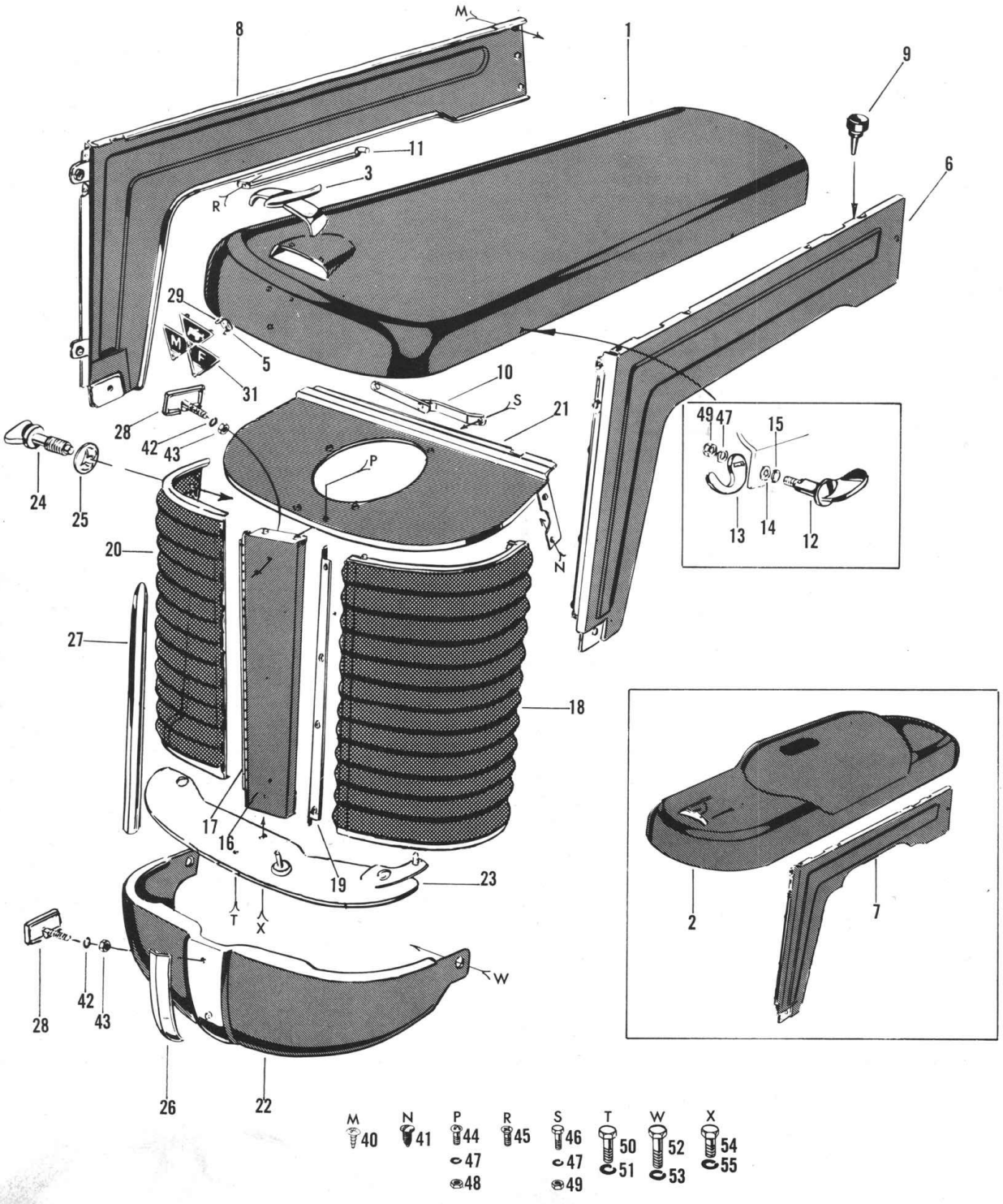
AGRICULTURAL AND UTILITY
GAS AND L.P.
(USED TRACTOR SERIAL NO. 685394 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	190 700 M91	Hood Assembly (Gas)(Incl. items 3 thru 10)	1
2	190 701 M91	Hood Assembly (L.P.)(Incl. items 3 thru 10)	1
3	190 562 M1	Ornament, Hood (Air Scoop)	1
4	363 264 X1	Screw, Ornament Retaining (#10 x 1/2" NC, Oval Hd., Cross Recess).	2
5	353 445 X1	Washer (#10 Lock)	2
6	354 120 X1	Nut (#10 NC, Hex.)	2
7	190 139 M1	Emblem, Hood	1
8	190 138 M1	Screen, Air Intake	1
9	831 643 M1	Nut, Emblem and Screen Retaining	3
	184 247 M92	Hinge Assembly, Hood	1
11	184 275 M91	Lever Assembly, Hood Stop	1
12	184 278 M1	Rod, Brace, Side Panel	1
13	184 233 M92	Panel Assembly, Left (Gas)	1
14	184 681 M92	Panel Assembly, Left (L.P.)	1
15	184 235 M92	Panel Assembly, Right	1
16	180 673 M1	Bumper, Hood	5
17	194 119 M91	Handle Assembly, Hood Latch	2
18	182 367 M1	Hood, Latch	2
19	196 010 M1	Washer, Spring, Latch Hook	2
20	831 240 M1	Washer, Latch Hook (3/8 x 13/16 x 1/64")	2
24	183 661 M91	Bar Assembly, Grille Center	1
25	182 436 M91	Hinge Assembly, Center Bar	1
26	183 662 M92	Screen Assembly, Grille, Left	1
27	183 668 M1	Reinforcement, Left Hand Screen	1
28	182 421 M92	Screen Assembly, Grille, Right	1
29	182 440 M93	Plate Assembly, Grille, Upper	1
30	182 356 M2	Panel, Grille, Lower	1
31	182 437 M93	Plate Assembly, Grille, Bottom	1
32 (A)	193 261 M1	Screw, Grille Latch	2
33 (A)	358 687 X1	Pin, Grille Latch Screw Retainer (Ext. Hair)(for 1/4" Dia. Groove)	2
34 (B)	182 556 M1	Screw, Grille Latch (Order 1 - 193 261 M1 and 1 - 358 687 X1)	2
35 (B)	196 101 M1	Nut, Grille Latch Screw	2
36	182 384 M1	Trim, Lower Grille Panel	1
37	184 804 M1	Trim, Grille Center Bar	1
38	182 445 M1	Fastener, Trim	5
42	363 887 X1	Screw (#10 x 3/8" NC, Sltd. Hd.)	x
43	355 863 X1	Screw (1/4 x 1/2" NC, Truss Hd.)	x
44	196 011 M1	Screw (#10 Self-Tapping)	x
45	353 445 X1	Washer (#10 Lock)	x
46	354 120 X1	Nut (#10 NC, Hex.)	x
47	353 988 X1	Screw (1/4 x 1/2" NC, Rd. Sltd. Hd.)	x
48	196 047 M1	Screw (1/4 x 1/2" NC, Flat Phillips Hd.)	x
49	196 013 M1	Bolt (1/4 x 9/16" NF, Hex., Special)	x
50	353 441 X1	Washer (1/4" Lock)	x
51	355 564 X1	Nut (1/4" NC, Hex.)	x
52	353 919 X1	Nut (1/4" NF, Half Hex.)	x
53	353 918 X1	Nut (1/4" NF, Hex.)	x
54	353 689 X1	Bolt (3/8 x 3/4" NC, Hex.)	x
55	353 434 X1	Washer (3/8" Lock)	x
56	354 698 X1	Bolt (7/16 x 1" NC, Hex.)	x
57	353 432 X1	Washer (7/16" Lock)	x
58	354 697 X1	Bolt (5/8 x 5/8" NC, Hex.)	x
59	353 433 X1	Washer (5/8" Lock)	x

Notes: (A) - Used Tractor Serial No. 698171 and up.
(B) - Used prior to Tractor Serial No. 698171.

HOOD AND SIDE PANELS, GRILLE AND SUPPORT

F350-51



HOOD AND SIDE PANELS, GRILLE AND SUPPORT

AGRICULTURAL AND UTILITY

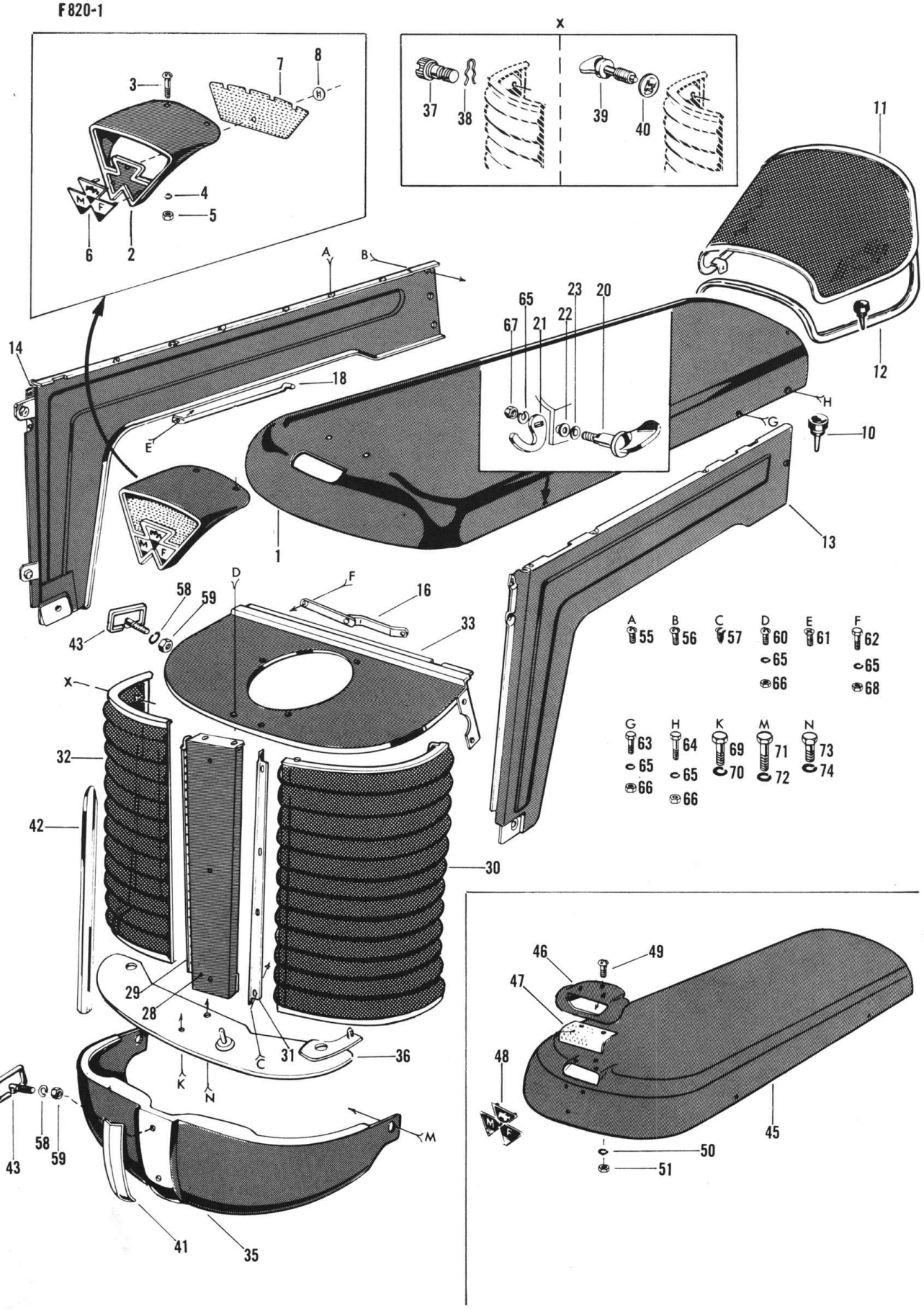
GAS AND L.P.

(USED PRIOR TO TRACTOR SERIAL NO. 685394)

Ref. No.	Part No.	Description	No. Req.
1	186 169 M91	Hood Assembly (Gas)(Incl. items #3 thru #5)(Order 190 700 M91).....	1
2	186 170 M91	Hood Assembly (L.P.)(Incl. items #3 thru #5)(Order 190 701 M91).....	1
3	182 564 M2	Ornament, Hood Air Scoop.....	1
	184 247 M92	Hinge Assembly, Hood.....	1
5	831 643 M1	Nut, Ornament Retainer.....	3
6	184 233 M92	Panel Assembly, Side (Left) (Gas).....	1
7	184 681 M92	Panel Assembly, Side (Left) (L.P.).....	1
8	186 467 M93	Panel Assembly, Side (Right).....	1
9	180 673 M1	Bumper, Hood.....	5
10	184 275 M91	Lever Assembly, Hood Stop.....	1
11	184 278 M1	Rod, Brace, Right Panel.....	1
12	194 119 M91	Handle Assembly, Hood Latch.....	2
13	182 367 M1	Hook, Latch.....	2
14	196 010 M1	Washer, Spring, Latch Hook.....	2
15	831 240 M1	Washer, Latch Hook (3/8 x 13/16 x 1/64").....	2
16	183 661 M91	Bar Assembly, Grille Center.....	1
17	182 436 M91	Hinge Assembly, Center Bar.....	1
18	183 662 M92	Screen Assembly, Grille, Left.....	1
19	183 668 M1	Reinforcement, Left Screen.....	1
20	182 421 M92	Screen Assembly, Grille, Right.....	1
21	182 440 M93	Plate Assembly, Grille, Upper.....	1
22	182 356 M2	Panel, Grille, Lower.....	1
23	182 437 M93	Plate Assembly, Grille Bottom.....	1
24	182 556 M1	Screw, Grille Latch (Order 1 - 193 261 M1 and 1 - 358 687 X1).....	2
25	196 101 M1	Nut, Grille Latch Screw.....	2
26	182 384 M1	Trim, Lower Grille Panel.....	1
27	184 804 M1	Trim, Grille Center Bar.....	1
28	182 445 M1	Fastener, Trim.....	5
29	831 643 M1	Nut, Emblem Retainer.....	3
31	184 792 M1	Emblem, Hood.....	1
40	355 863 X1	Screw (1/4 x 1/2" NC, Truss Hd.).....	x
41	195 448 M1	Screw (#10 - 24 Self Tapping).....	x
42	353 445 X1	Washer (#10 Lock).....	x
43	354 120 X1	Nut (#10 - 24 Hex.).....	x
44	353 988 X1	Screw (1/4 x 1/2" NC, Rd. Hd.).....	x
45	196 047 M1	Screw (1/4 x 1/2" NC, Phillips Hd.).....	x
46	196 013 M1	Bolt (1/4 x 9/16" NF, Hex., w/Shoulder).....	x
47	353 441 X1	Washer (1/4" Lock).....	x
48	355 564 X1	Nut (1/4" NC, Hex.).....	x
49	353 918 X1	Nut (1/4" NF, Hex.).....	x
50	353 689 X1	Bolt (3/8 x 3/4" NC, Hex.).....	x
51	353 434 X1	Washer (3/8" Lock).....	x
52	354 698 X1	Bolt (7/16 x 1" NC, Hex.).....	x
53	353 432 X1	Washer (7/16" Lock).....	x
54	354 697 X1	Bolt (5/8 x 5/8" NC, Hex.).....	x
55	353 433 X1	Washer (5/8" Lock).....	x

HOOD AND SIDE PANELS, GRILLE AND SUPPORT

F820-1



HOOD AND SIDE PANELS, GRILLE AND SUPPORT

ORCHARD

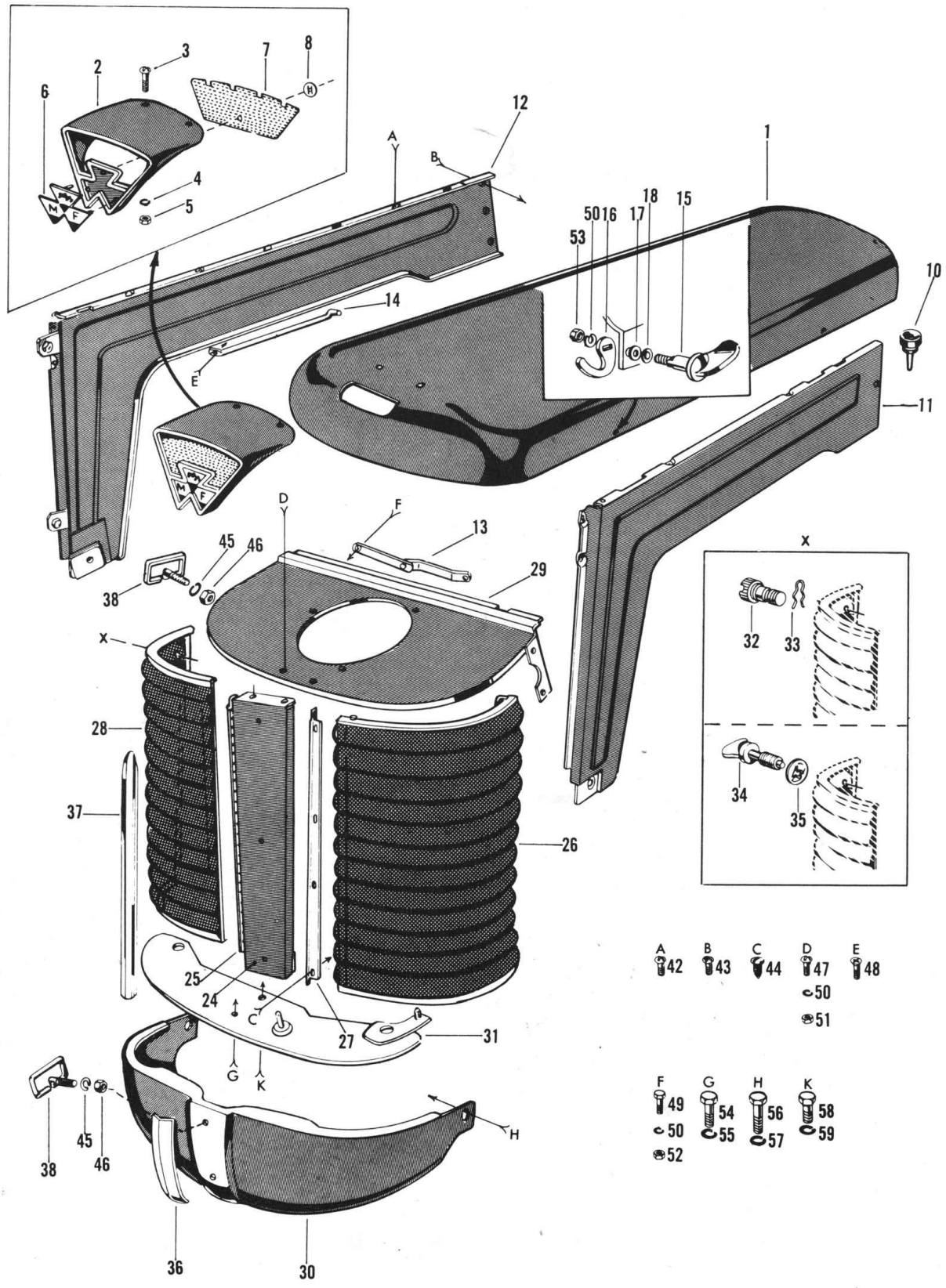
GAS AND DIESEL

Ref. No.	Part No.	Description	No. Req.
1 (A)	190 700 M91	Hood Assembly	1
2	190 562 M1	Ornament, Hood (Air Scoop)	1
3	363 264 X1	Screw, Ornament Retaining (#10 x 1/2" NC, Oval Hd., Cross Recess).	2
4	353 445 X1	Washer (#10 Lock)	2
5	354 120 X1	Nut (#10 NC, Hex.)	2
6	190 139 M1	Emblem, Hood	1
7	190 138 M1	Screen, Air Intake	1
8	831 643 M1	Nut, Emblem and Screen Retaining	3
	184 247 M92	Hinge Assembly, Hood	1
10	180 673 M1	Bumper, Hood	5
11	186 038 M91	Guard Assembly, Cowl	1
12	186 043 M1	Bumper, Cowl Guard	1
13	184 233 M92	Panel Assembly, Left	1
14	184 235 M92	Panel Assembly, Right (Gas)	1
14	186 467 M93	Panel Assembly, Right (Diesel)	1
16	184 275 M91	Lever Assembly, Hood Stop (Gas)	1
16	186 624 M92	Lever Assembly, Hood Stop (Diesel)	1
18	184 278 M1	Rod, Brace, Right Panel (Gas)	1
18	187 923 M1	Rod, Brace, Right Panel (Diesel)	1
20	194 119 M91	Handle Assembly, Hood Latch	2
21	182 367 M1	Hook, Latch	2
22	196 010 M1	Washer, Spring, Latch Hook	2
23	831 240 M1	Washer, Latch Hook (3/8 x 13/16 x 1/64")	2
	359 370 X1	Plug, Light Holes (1/2" Button Type)	2
28	183 661 M91	Bar Assembly, Grille Center	1
29	182 436 M91	Hinge Assembly, Center Bar	1
30	183 662 M92	Screen Assembly, Grille, Left	1
31	183 668 M1	Reinforcement, Left Screen	1
32	182 421 M92	Screen Assembly, Grille, Right	1
33	182 440 M93	Plate Assembly, Grille, Upper (Gas)	1
33	186 585 M92	Plate Assembly, Grille, Upper (Diesel)	1
35	182 356 M2	Panel, Grille, Lower	1
36	182 437 M93	Plate Assembly, Grille Bottom	1
37 (C)	193 261 M1	Screw, Grille Latch	2
38 (C)	358 687 X1	Pin, Grille Latch Screw Retainer (Ext. Hair)(for 1/4" Dia. Groove)	2
39 (D)	182 556 M1	Screw, Grille Latch (Order 1 - 193 261 M1 and 1 - 358 687 X1)	2
40 (D)	196 101 M1	Nut, Grille Latch Screw	2
41	182 384 M1	Trim, Lower Grille Panel	1
42	184 804 M1	Trim, Grille Center Bar	1
43	182 445 M1	Fastener, Trim	5
45 (B)	184 232 M91	Hood Assembly (Order 190 700 M91)	1
46 (B)	186 126 M1	Guard, Air Intake	1
47 (B)	186 125 M1	Screen, Air Intake Guard	1
48 (B)	184 792 M1	Emblem, Hood	1
49 (B)	357 363 X1	Screw, Guard and Screen Retaining (#10 x 3/4" NC, Oval Hd.)	3
50 (B)	353 445 X1	Washer (#10 Lock)	3
51 (B)	354 120 X1	Nut (#10 NC, Hex.)	3
55	355 124 X1	Screw (#10 x 3/8" NC, Sltd. Hd.)	x
56	355 863 X1	Screw (1/4 x 1/2" NC, Truss Hd.)	x
57	196 011 M1	Screw (#10 Self-Tapping)	x
58	353 445 X1	Washer (#10 Lock)	x
59	354 120 X1	Nut (#10 NC, Hex.)	x
60	353 988 X1	Screw (1/4 x 1/2" NC, Rd. Sltd. Hd.)	x
61	196 047 M1	Screw (1/4 x 1/2" NC, Flat Phillips Hd.)	x
62	196 013 M1	Bolt (1/4 x 9/16" NF, Hex., Special)	x
63	353 667 X1	Bolt (1/4 x 3/4" NC, Hex.)	x
64	353 671 X1	Bolt (1/4 x 1-1/4" NC, Hex.)	x
65	353 441 X1	Washer (1/4" Lock)	x
66	355 564 X1	Nut (1/4" NC, Hex.)	x
67	353 919 X1	Nut (1/4" NF, Half Hex.)	x
68	353 918 X1	Nut (1/4" NF, Hex.)	x
69	353 689 X1	Bolt (3/8 x 3/4" NC, Hex.)	x
70	353 434 X1	Washer (3/8" Lock)	x
71	354 698 X1	Bolt (7/16 x 1" NC, Hex.)	x
72	353 432 X1	Washer (7/16" Lock)	x
73	354 697 X1	Bolt (5/8 x 5/8" NC, Hex.)	x
74	353 433 X1	Washer (5/8" Lock)	x

Notes: (A) - Used Tractor Serial No. 685394 and up.
(B) - Used prior to Tractor Serial No. 685394.
(C) - Used Tractor Serial No. (Gas) 698171, (Diesel) 698187 and up.
(D) - Used prior to Tractor Serial No. (Gas) 698171 and Diesel 698187.

HOOD AND SIDE PANELS, GRILLE AND SUPPORT

F821-1



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HOOD AND SIDE PANELS, GRILLE AND SUPPORT

AGRICULTURAL AND UTILITY

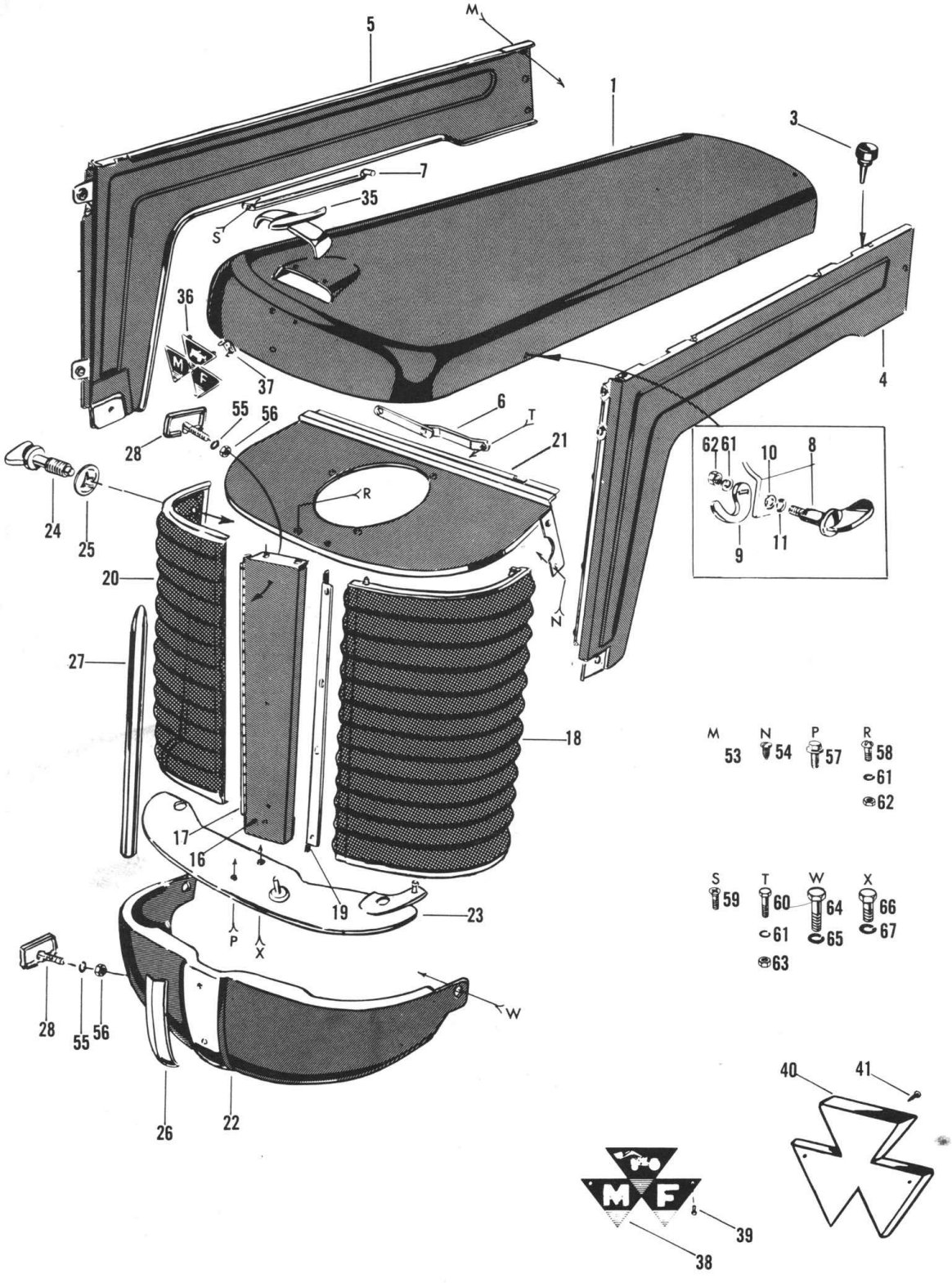
DIESEL

(USED TRACTOR SERIAL NO. 685394 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	190 700 M91	Hood Assembly	1
2	190 562 M1	Ornament, Hood (Air Scoop)	1
3	363 264 X1	Screw, Ornament Retaining (#10 x 1/2" NC, Oval Hd., Cross Recess)	2
4	353 445 X1	Washer (#10 Lock)	2
5	354 120 X1	Nut (#10 NC, Hex.)	2
6	190 139 M1	Emblem, Hood	1
7	190 138 M1	Screen, Air Intake	1
8	831 643 M1	Nut, Emblem and Screen Retaining	3
	184 247 M92	Hinge Assembly, Hood	1
10	180 673 M1	Bumper, Hood	5
11	184 233 M92	Panel Assembly, Left Side	1
12	186 467 M93	Panel Assembly, Right Side	1
13	186 624 M92	Lever Assembly, Hood Stop	1
14	187 923 M1	Rod, Brace, Right Panel	1
15	194 119 M91	Handle Assembly, Hook Latch	2
16	182 367 M1	Hook, Latch	2
17	196 010 M1	Washer, Spring, Latch Hook	2
18	831 240 M1	Washer, Latch Hook (3/8 x 13/16 x 1/64")	2
24	183 661 M91	Bar Assembly, Grille Center	1
25	182 436 M91	Hinge Assembly, Center Bar	1
26	183 662 M92	Screen Assembly, Grille, Left	1
27	183 668 M1	Reinforcement, Left Screen	1
28	182 421 M92	Screen Assembly, Grille, Right	1
29	186 585 M92	Plate Assembly, Grille, Upper	1
30	182 356 M2	Panel, Grille, Lower	1
31	182 437 M93	Plate Assembly, Grille Bottom	1
32 (A)	193 261 M1	Screw, Grille Latch	2
33 (A)	358 687 X1	Pin, Grille Latch Screw Retainer (Ext. Hair)(for 1/4" Dia. Groove)	2
34 (B)	182 556 M1	Screw, Grille Latch (Order 1 - 193 261 M1 and 1 - 358 687 X1)	2
35 (B)	196 101 M1	Nut, Grille Latch Screw	2
36	182 384 M1	Trim, Lower Grille Panel	1
37	184 804 M1	Trim, Grille Center Bar	1
38	182 445 M1	Fastener, Trim	5
42	355 124 X1	Screw (#10 x 3/8" NC, Sltd. Hd.)	x
43	355 863 X1	Screw (1/4 x 1/2" NC, Truss Hd.)	x
44	196 011 M1	Screw (#10 Self-Tapping)	x
45	353 445 X1	Washer (#10 Lock)	x
46	354 120 X1	Nut (#10 NC, Hex.)	x
47	353 988 X1	Screw (1/4 x 1/2" NC, Rd. Sltd. Hd.)	x
48	196 047 M1	Screw (1/4 x 1/2" NC, Flat Phillips Hd.)	x
49	196 013 M1	Bolt (1/4 x 9/16" NF, Hex., Special)	x
50	353 441 X1	Washer (1/4" Lock)	x
51	355 564 X1	Nut (1/4" NC, Hex.)	x
52	353 919 X1	Nut (1/4" NF, Half Hex.)	x
53	353 918 X1	Nut (1/4" NF, Hex.)	x
54	353 689 X1	Bolt (3/8 x 3/4" NC, Hex.)	x
55	353 434 X1	Washer (3/8" Lock)	x
56	354 698 X1	Bolt (7/16 x 1" NC, Hex.)	x
57	353 432 X1	Washer (7/16" Lock)	x
58	354 697 X1	Bolt (5/8 x 5/8" NC, Hex.)	x
59	353 433 X1	Washer (5/8" Lock)	x

Notes: (A) - Used Tractor Serial No. 698187 and up.
(B) - Used prior to Tractor Serial No. 698187.

F 498-52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HOOD AND SIDE PANELS, GRILLE AND SUPPORT

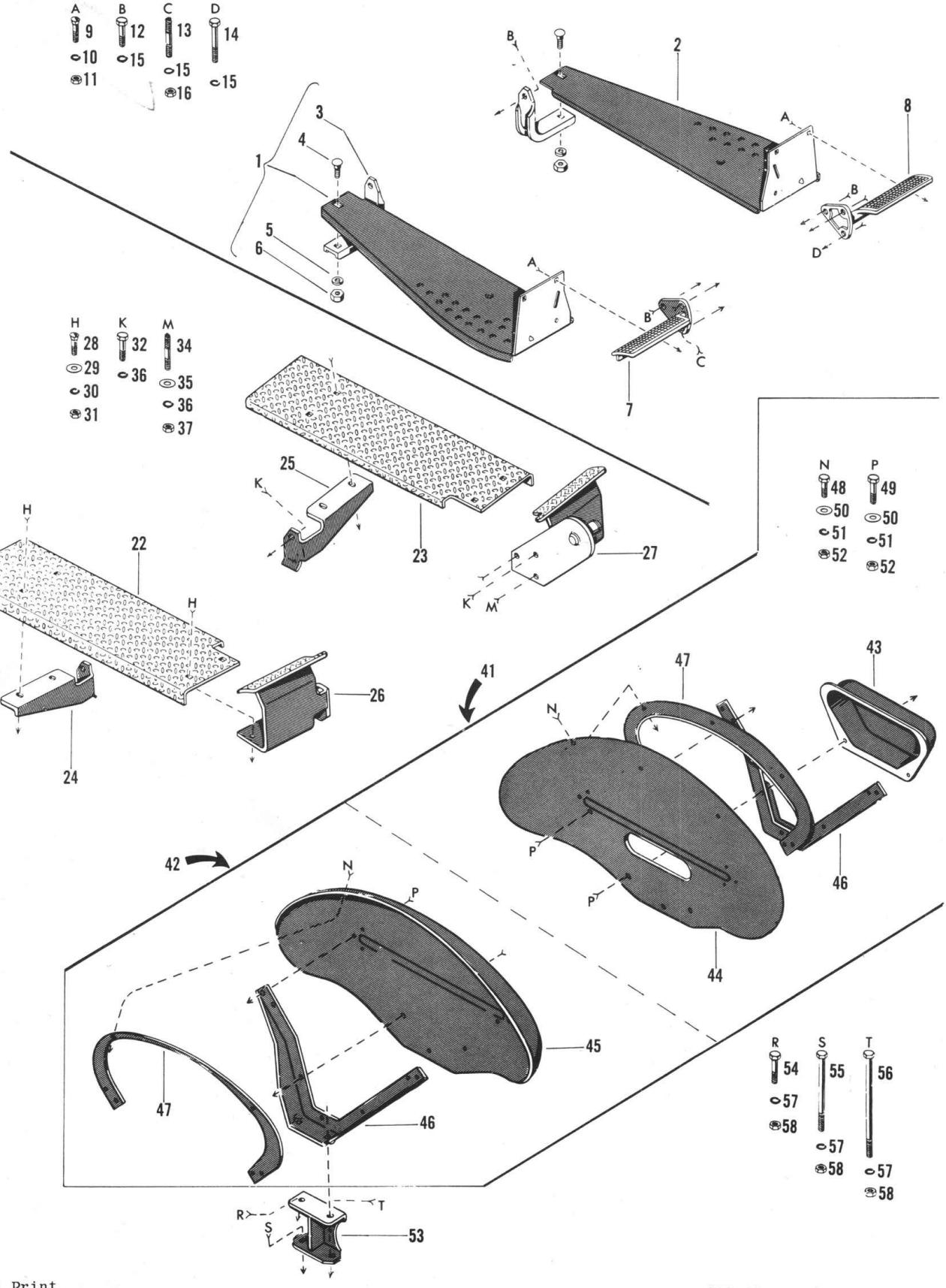
AGRICULTURAL AND UTILITY

DIESEL

(USED PRIOR TO TRACTOR SERIAL NO. 685394)

Ref. No.	Part No.	Description	No. Req.
1	184 232 M91	Hood Assembly (Order 190 700 M91)	1
	184 247 M92	Hinge Assembly, Hood	1
3	180 673 M1	Bumper, Hood	5
4	184 233 M92	Panel Assembly, Side (Left)	1
5	186 467 M93	Panel Assembly, Side (Right)	1
6	186 624 M92	Lever Assembly, Hood Stop	1
7	187 923 M1	Rod, Brace, Right Panel	1
8	194 119 M91	Handle Assembly, Hook Latch	2
9	182 367 M1	Hook, Latch	2
10	196 010 M1	Washer, Spring, Latch Hook	2
11	831 240 M1	Washer, Latch Hook (3/8 x 13/16 x 1/64")	2
16	183 661 M91	Bar Assembly, Grille Center	1
17	182 436 M91	Hinge Assembly, Center Bar	1
18	183 662 M92	Screen Assembly, Grille, Left	1
19	183 668 M1	Reinforcement, Left Screen	1
20	182 421 M92	Screen Assembly, Grille, Right	1
21	186 585 M92	Plate Assembly, Grille, Upper	1
22	182 356 M2	Panel, Grille, Lower	1
23	182 437 M93	Plate Assembly, Grille Bottom	1
24	182 556 M1	Screw, Grille, Latch (Order 1 - 193 261 M1 and 1 - 358 687 X1)	2
25	196 101 M1	Nut, Grille Latch Screw	2
26	182 384 M1	Trim, Lower Grille Panel	1
27	184 804 M1	Trim, Grille Center Bar	1
28	182 445 M1	Fastener, Trim	5
35	182 564 M2	Ornament, Hood Air Scoop	1
36	184 792 M1	Emblem, Hood (Agricultural)	1
37	831 643 M1	Nut, Emblem and Ornament Retaining (Agricultural)	6
38	196 277 M1	Emblem, Hood (Utility) MF Trademark	1
39	353 951 X1	Screw, Drive (#7 x 5/16")(Utility)	2
40	186 421 M1	Retainer, Emblem (Utility)	1
41	360 314 X1	Screw, Retainer (Utility)	3
53	355 863 X1	Screw (1/4 x 1/2" NC, Truss Hd.)	x
54	195 448 M1	Screw (#10 - 24 Self-Tapping)	x
55	353 445 X1	Washer (#10 Lock)	x
56	354 120 X1	Nut (#10 NC, Hex.)	x
57	357 160 X1	Screw (1/4" - 20 x 3/8" Self-Tapping)	x
58	353 988 X1	Screw (1/4 x 1/2" NC, Rd. Hd.)	x
59	196 047 M1	Screw (1/4 x 1/2" NC, Phillips Hd.)	x
60	196 013 M1	Bolt (1/4 x 9/16" NF, Hex., w/Shoulder)	x
61	353 441 X1	Washer (1/4" Lock)	x
62	355 564 X1	Nut (1/4" NC, Hex.)	x
63	353 918 X1	Nut (1/4" NF, Hex.)	x
64	354 698 X1	Bolt (7/16 x 1" NC, Hex.)	x
65	353 432 X1	Washer (7/16" Lock)	x
66	354 698 X1	Bolt (5/8 x 5/8" NC, Hex.)	x
67	353 433 X1	Washer (5/8" Lock)	x

F901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PLATFORMS

UTILITY AND ORCHARD

(USED AGRICULTURAL MODELS PRIOR TO TRACTOR SERIAL NO. 692932)

Ref. No.	Part No.	Description	No. Req.
1	182 309 M91	Step Assembly, Right	1
2	186 098 M91	Step Assembly, Left (Gas)	1
2	186 463 M91	Step Assembly, Left (Diesel)	1
3	180 590 M1	Bracket, Step Support, Rear	1
4	353 807 X1	Bolt, Bracket to Step (3/8 x 7/8" NF, Carr.)	1
5	353 434 X1	Washer (3/8" Lock)	1
6	353 431 X1	Nut (3/8" NF, Hex.)	1
7	182 310 M1	Rest, Foot, Right	1
8	182 311 M1	Rest, Foot, Left	1
9	353 785 X1	Bolt, Foot Rest to Step (1/4 x 1" NF, Carr.)	4
10	353 441 X1	Washer (1/4" Lock)	4
11	353 918 X1	Nut (1/4" NF, Hex.)	4
12	353 700 X1	Bolt, Step to Transmission Housing (7/16 x 1-1/4" NC, Hex.)	6
13	353 963 X1	Stud, Left (7/16" NC x 1-3/4")	1
14	353 710 X1	Bolt, Thru Stop (7/16 x 2-1/2" NC, Hex.)	1
15	353 432 X1	Washer (7/16" Lock)	8
16	355 645 X1	Nut (7/16" NC, Hex.)	1

AGRICULTURAL MODELS

(USED TRACTOR SERIAL NO. 692932 AND UP)

22	192 445 M1	Step, Right	1
23	192 446 M1	Step, Left	1
24	192 438 M1	Bracket, Step Support, Right, Rear	1
25	192 439 M1	Bracket, Step Support, Left, Rear	1
26	192 440 M91	Bracket Assembly, Step Support, Right, Front	1
27	192 441 M91	Bracket Assembly, Step Support, Left, Front	1
28	353 784 X1	Bolt, Step to Support Brackets (1/4 x 3/4" NF, Carr.)	8
29	353 754 X1	Washer (1/4" Small Flat)	8
30	353 441 X1	Washer (1/4" Lock)	8
31	353 918 X1	Nut (1/4" NF, Hex.)	8
32	353 698 X1	Bolt, Bracket to Transmission Case (7/16 x 1" NC, Hex.)	4
32	353 700 X1	Bolt, Bracket to Transmission Case (7/16 x 1-1/4" NC, Hex.)	3
34	353 962 X1	Stud, Bracket to Transmission Case (7/16" NC x 1-5/8")	1
35	353 757 X1	Washer (7/16" Small Flat)	1
36	353 432 X1	Washer (7/16" Lock)	8
37	355 645 X1	Nut (7/16" NC, Hex.)	1

FENDERS

41	180 736 M92	Fender Assembly, Left (Incl. Items 43, 44 & 46 thru 52)	1
42	180 707 M92	Fender Assembly, Right (Incl. Items 45 thru 52)	1
43	180 737 M1	Box, Tool	1
44	181 956 M92	Panel Assembly, Left	1
45	181 955 M92	Panel Assembly, Right	1
46	194 475 M1	Support, Panel, Lower	1
47	180 741 M2	Support, Panel, Upper	1
48	353 537 X1	Bolt (3/8 x 7/8" NF, Hex.)	3
49	353 541 X1	Bolt (3/8 x 1-3/8" NF, Hex.)	4
50	353 756 X1	Washer (3/8" Small Flat)	7
51	353 434 X1	Washer (3/8" Lock)	7
52	353 431 X1	Nut (3/8" NF, Hex.)	7
53	182 457 M91	Riser Assembly, Fenders (Hi-Clr.)	2
54	353 611 X1	Bolt (5/8 x 1-1/2" NF, Hex.)	x
55	353 653 X1	Bolt (5/8 x 6-3/4" NF, Hex.)	x
56	189 707 M1	Bolt (5/8 x 12-1/2" NF, Hex.)	x
57	353 433 X1	Washer (5/8" Lock)	x
58	353 427 X1	Nut (5/8" NF, Hex.)	x

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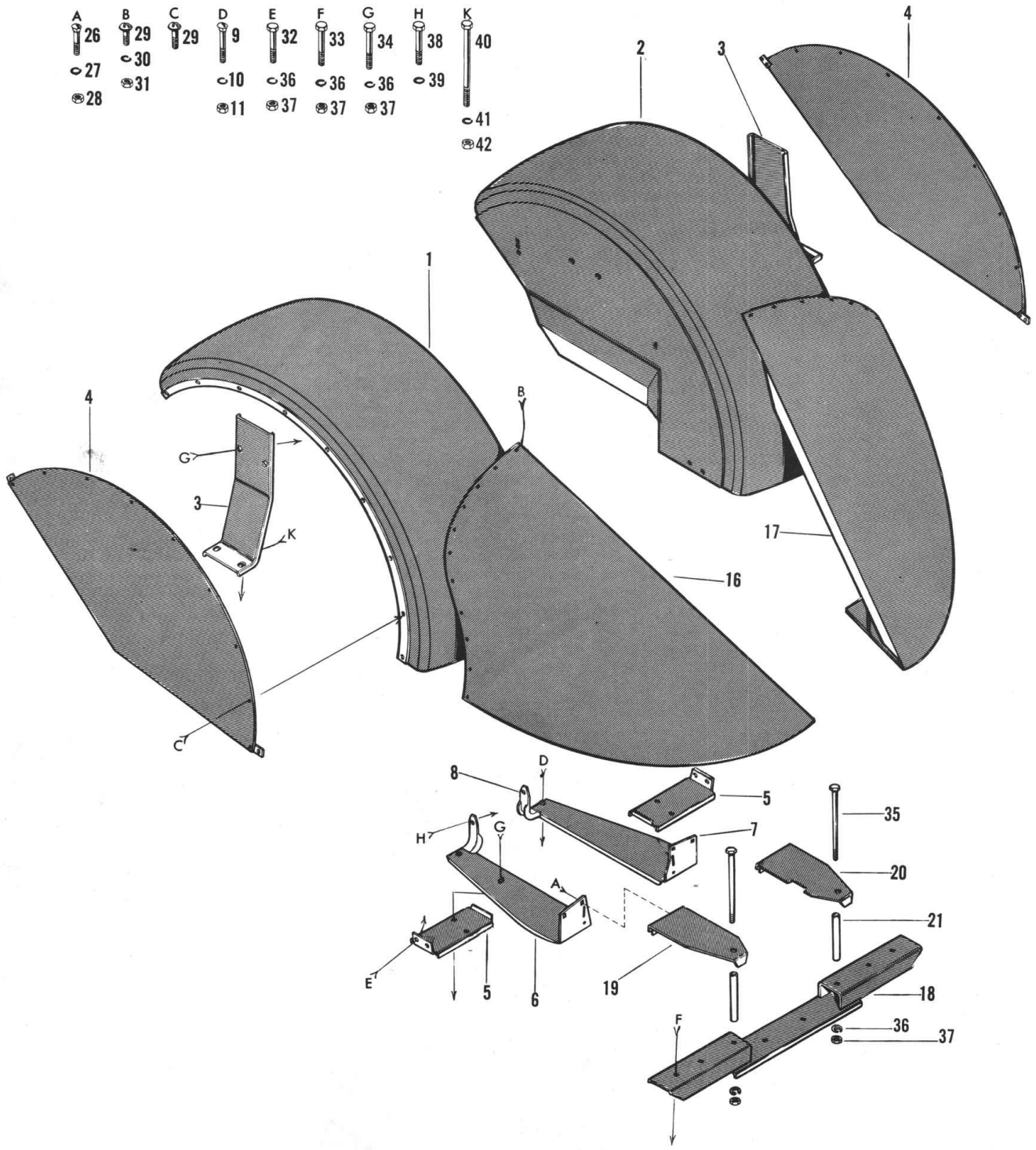
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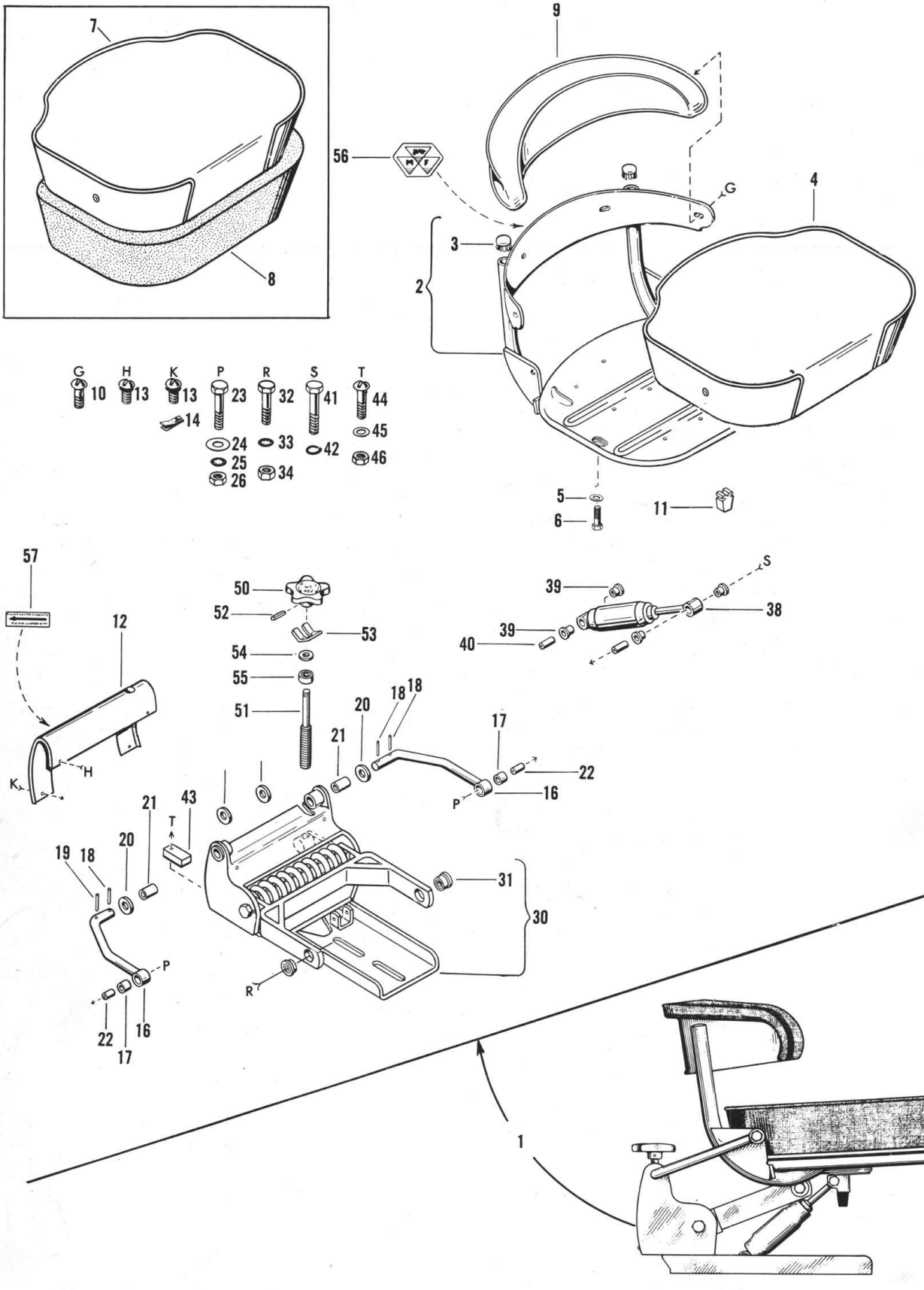
ORCHARD

Ref. No.	Part No.	Description	No. Req.
1	186 020 M91	Fender Assembly, Right	1
2	186 021 M91	Fender Assembly, Left	1
3	186 033 M1	Brace, Fender (Inside)	2
4	186 023 M91	Cover Assembly, Fender Skirt	2
5	186 035 M1	Support, Fender	2
6	182 309 M91	Platform Assembly, Right (Incl. Items 8 thru 11)	1
7	182 098 M91	Platform Assembly, Left (Incl. Items 8 thru 11)	1
8	180 590 M1	Bracket, Step	1
9	353 807 X1	Bolt (3/8 x 7/8" NF, Carr.)	1
10	353 434 X1	Washer (3/8" Lock)	1
11	353 431 X1	Nut (3/8" NF, Hex.)	1
16	186 025 M91	Extension Assembly, Fender, Right	1
17	186 026 M91	Extension Assembly, Fender, Left	1
18	186 029 M91	Support Assembly, Extension	1
19	186 036 M1	Plate, Step, Right	1
20	186 037 M1	Plate, Step, Left	1
21	359 526 X1	Spacer, Step Plate (1/2" Pipe x 7-23/32")	2
26	353 784 X1	Bolt (1/4 x 3/4" NF, Carr.)	x
27	353 441 X1	Washer (1/4" Lock)	x
28	353 918 X1	Nut (1/4" NF, Hex.)	x
29	355 150 X1	Screw (5/16 x 5/8" NC, Truss Hd.)	x
30	353 446 X1	Washer (5/16" Lock)	x
31	355 565 X1	Nut (5/16" NC, Hex.)	x
32	353 538 X1	Bolt (3/8 x 1" NF, Hex.)	x
33	353 540 X1	Bolt (3/8 x 1-1/4" NF, Hex.)	x
34	353 543 X1	Bolt (3/8 x 1-5/8" NF, Hex.)	x
35	359 525 X1	Bolt (3/8 x 11-3/8" NF, Hex.)	x
36	353 434 X1	Washer (3/8" Lock)	x
37	353 431 X1	Nut (3/8" NF, Hex.)	x
38	353 700 X1	Bolt (7/16 x 1-1/4" NC, Hex.)	x
39	353 432 X1	Washer (7/16" Lock)	x
40	353 653 X1	Bolt (5/8 x 6-3/4" NF, Hex.)	x
41	353 433 X1	Washer (5/8" Lock)	x
42	353 427 X1	Nut (5/8" NF, Hex.)	x

SEAT

F1055-2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SEAT

AGRICULTURAL MODELS

(USED TRACTOR SERIAL NUMBER 692 932 AND UP)

Ref. No.	Part No.	Description	No. Req.
1	193 451 M91	Seat Assembly	1
2	1 024 166 M91	Frame Assembly	1
3	195 546 M1	Plug, Frame End (7/8" Button Type)	2
4	1 032 168 M91	Cushion Assembly	1
5	353 755 X1	Washer, Cushion Attaching Bolt (5/16" Small Flat)	2
6	353 679 X1	Bolt, Cushion Retaining (5/16 x 1" NC, Hex.)	2
7 (A)	1 024 170 M91	Cover Assembly, Seat Cushion	1
8 (A)	1 024 171 M1	Inlay, Seat Cushion (Foam Rubber)	1
9	1 024 167 M91	Rest Assembly, Seat Back	1
10	355 863 X1	Screw, Back Rest (1/4 x 1/2" NC, Truss Hd.)	4
11	1 015 879 M1	Bumper, Seat (Rubber)	1
12	1 024 173 M1	Cover, Seat Suspension	1
13	350 103 X1	Screw, Cover (#10 - 24 x 3/8" Sems)	4
14	356 935 X1	Nut, Lower Cover Screw (Speed Type)	2
16	1 024 172 M91	Arm Assembly, Seat Support, Upper	2
17	832 664 M1	Bushing, Upper Arm (9/16 x 11/16 x 3/4")	2
18	22 807 X	Pin, Upper Arm Retaining (1/8 x 1" Roll)	3
19	363 517 X1	Pin, Upper Arm Retaining (1/8 x 1-3/8" Roll)	1
20	1 021 929 M1	Washer, Upper Arm (5/8 x 1-1/8 x 1/16")	2
21	832 986 M1	Bushing, Upper Arm (5/8 x 7/8 x 1")	2
22	1 021 928 M1	Spacer, Upper Arm (25/64 x 9/16 x 25/32")	2
23	353 542 X1	Bolt, Upper Arm (3/8 x 1-1/2" NF, Hex.)	2
24	353 756 X1	Washer (3/8" Small Flat)	2
25	22 764 X	Washer (3/8" Int. Skpf.)	2
26	195 586 M1	Nut, Upper Arm Bolt (3/8" NF, Hex.)	2
30	1 024 169 M91	Support Assembly, Seat	1
31	832 984 M1	Bearing (3/8" ID x 7/16")	2
32	353 539 X1	Bolt, Support (3/8 x 1-1/8" NF, Hex.)	2
33	22 764 X	Washer (3/8" Int. Skpf.)	2
34	195 586 M1	Nut, Support Bolt (3/8" NF, Hex.)	2
38	1 024 168 M91	Shock Absorber Assembly	1
39	833 251 M1	Trunnion, Bearing (1/2" ID x 1/2")	4
40	192 949 M1	Sleeve, Shock Absorber (17/64 x 1/2 x 1-1/16")	2
41	353 510 X1	Bolt, Shock Absorber (1/4 x 1-5/8" NF, Hex.)	2
42	353 441 X1	Washer (1/4" Lock)	2
43	1 024 174 M1	Pad, Cushion (Rubber)	1
44	353 985 X1	Screw, Pad (#10 - 24 x 1" Rd. Hd.)	1
45	353 753 X1	Washer (#10 Flat)	1
46	354 120 X1	Nut (#10 - 24, Hex.)	1
50	1 015 874 M1	Knob, Adjusting Screw	1
51	1 015 873 M1	Screw, Adjusting	1
52	22 807 X	Pin, Knob to Screw (1/8 x 1" Roll)	1
53	1 021 930 M1	Plate, Adjusting Screw	1
54	353 757 X1	Washer, Thrust (7/16" Small Flat)	1
55	1 015 875 M1	Bearing, Adjusting Screw	1
56	196 363 M1	Decal, "MF Trademark"	1
57	192 815 M1	Decal, "Seat Adjustment"	1

Notes: (A) - For Repairs order (1) 1 032 168 M91, Cushion; (2) 353 755 X1, Washer and (2) 353 679 X1, Bolt.

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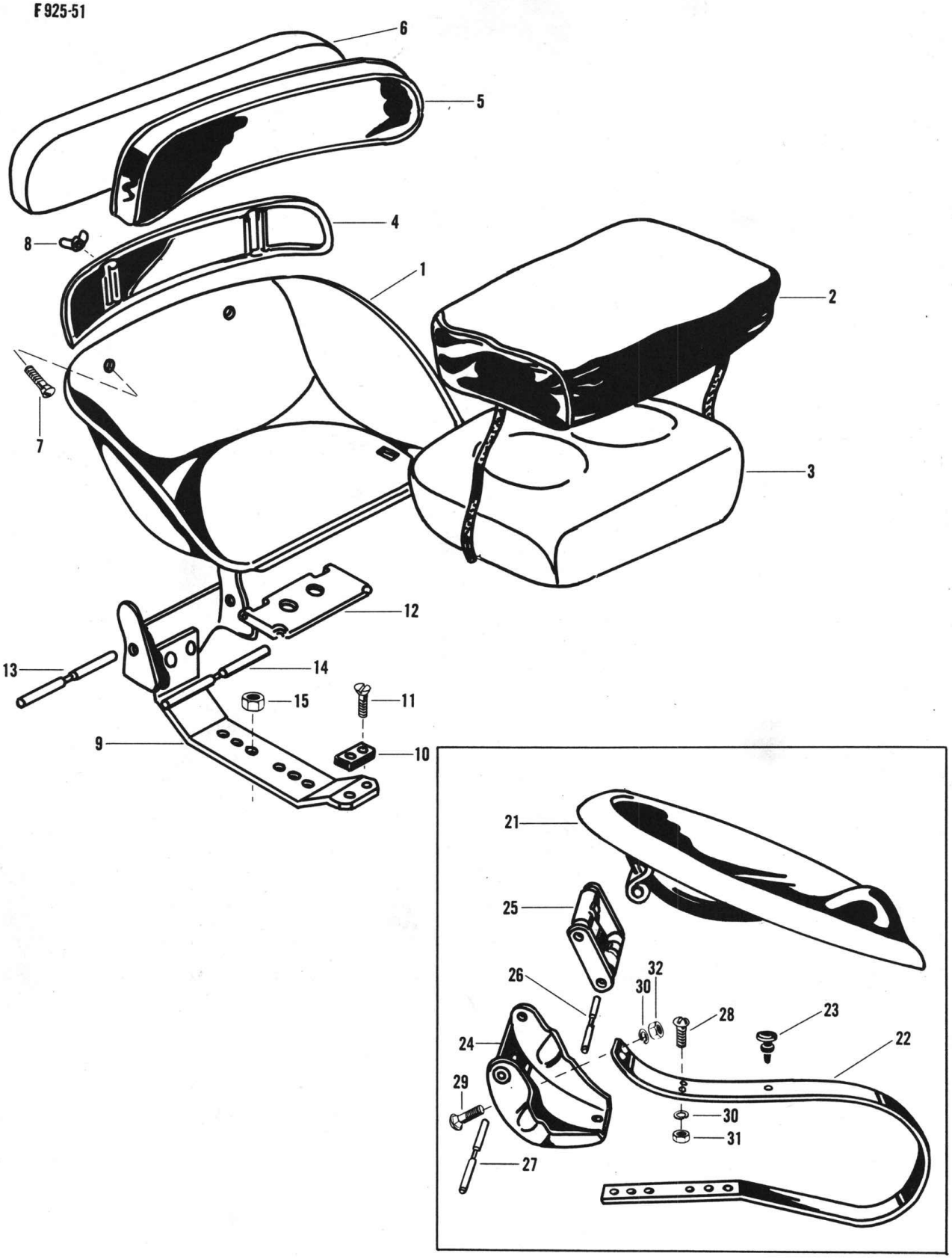

SEAT

UTILITY AND ORCHARD

(USED AGRICULTURAL MODELS PRIOR TO TRACTOR SERIAL NO. 692932)

Ref. No.	Part No.	Description	No. Req.
1	181 313 M91	Pan Assembly, Seat	1
2	183 206 M91	Cover Assembly, Seat (Less Inlay)(Agricultural)	1
2	183 152 M91	Cover Assembly, Seat (Less Inlay)(Utility)	1
3	181 326 M1	Inlay, Seat (Foam Rubber)	1
4	181 323 M1	Support, Back Rest	1
5	183 204 M91	Cover Assembly, Back Rest (Less Inlay)(Agricultural)	1
5	183 144 M91	Cover Assembly, Back Rest (Less Inlay)(Utility)	1
6	181 324 M1	Inlay, Back Rest (Foam Rubber)	1
7	353 807 X1	Bolt, Support (3/8 x 7/8" NF, Carr.)	2
8	355 584 X1	Nut (3/8" NF, Wing)	2
9	181 316 M92	Bracket Assembly, Seat Mounting	1
10	181 319 M1	Bumper, Seat (1 x 2 x 7/16" Rubber)	1
11	354 239 X1	Screw, Bumper (1/4 x 1/2" NC, Flat Hd.)	2
12	181 322 M1	Link, Seat Hinge	1
13	181 320 M1	Pin, Hinge (3/8 x 7-5/16")	1
14	181 321 M1	Pin, Hinge (3/8 x 6-7/8")	1
15	353 426 X1	Nut, Seat to Lift Cover (7/16" NF, Hex.)	2
		DIESEL SPECIAL	
21	181 330 M91	Pan Assembly, Seat	1
22	181 333 M1	Spring, Seat	1
23	180 289 M1	Bumper, Pan (Rubber)	1
24	181 338 M91	Hinge Assembly, Seat	1
25	181 322 M1	Link, Seat Hinge	1
26	181 321 M1	Pin, Hinge (3/8 x 6-7/8")	1
27	181 320 M1	Pin, Hinge (3/8 x 7-5/16")	1
28	354 410 X1	Screw (5/16 x 7/8" NC, Truss Hd.)	2
29	353 793 X1	Bolt (5/16 x 7/8" NF, Carr.)	2
30	353 446 X1	Washer (5/16" Lock)	4
31	355 565 X1	Nut (5/16" NC, Hex.)	2
32	353 916 X1	Nut (5/16" NF, Hex.)	2

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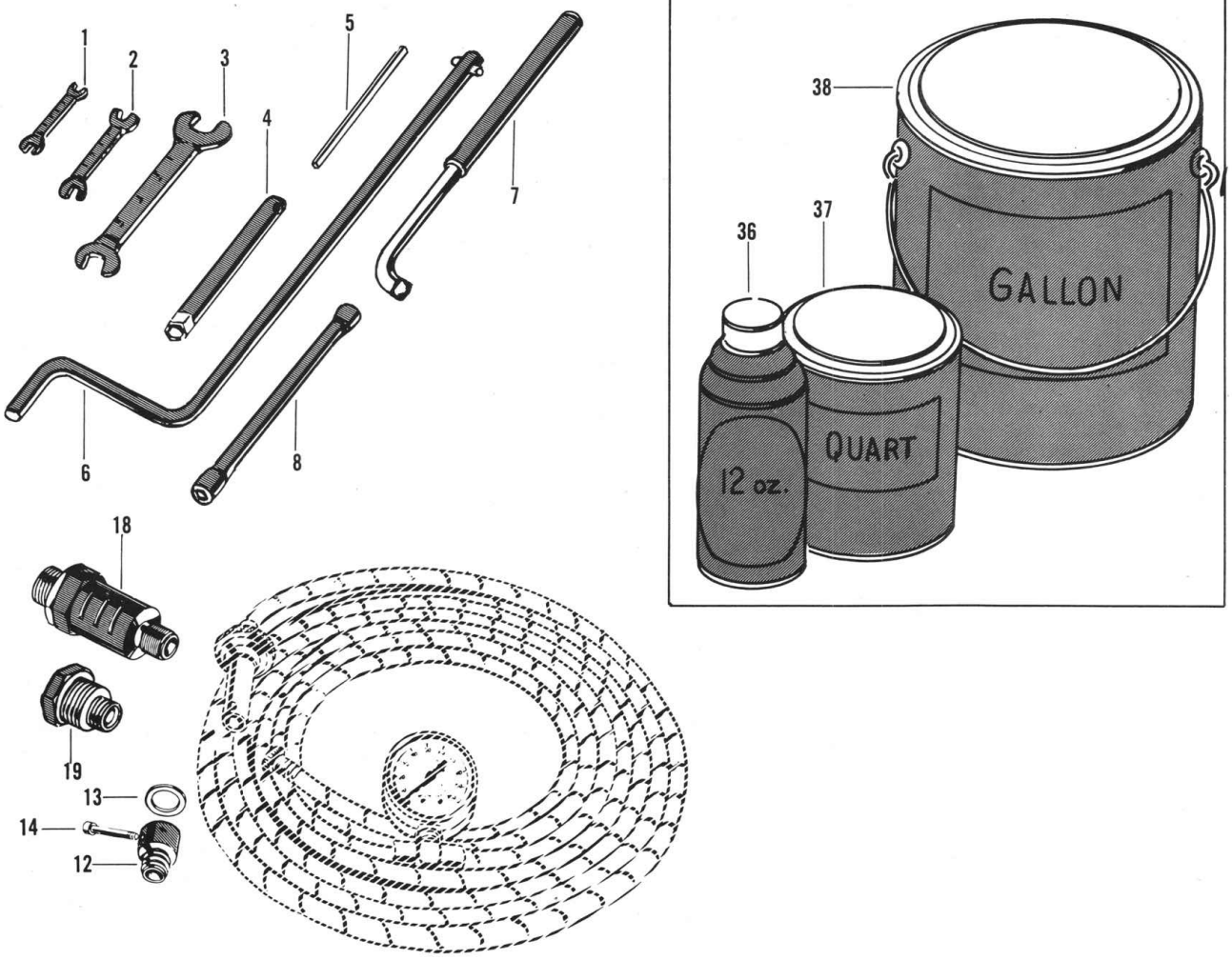
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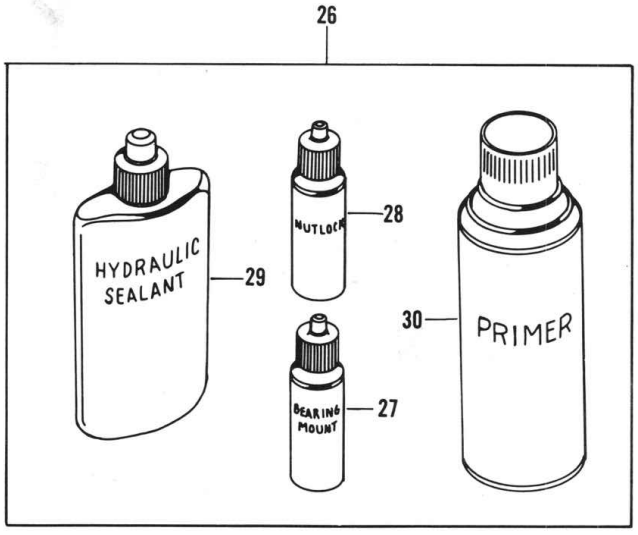
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HYDRAULIC SEALANT
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MUTLOCK
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BEARING MOUNT
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PRIMER

TOOLS

Ref. No.	Part No.	Description	No. Req.
1	180 090 M1	Wrench, Open End (3/8" and 7/16")	1
2	180 089 M1	Wrench, Open End (1/2" and 9/16")	1
3	180 108 M1	Wrench, Open End (11/16" and 1-1/16")	1
4	180 091 M1	Wrench, Spark Plug	1
5	180 092 M1	Handle, Spark Plug Wrench	1
6	182 613 M1	Crank, Starting	1
7	182 093 M92	Handle Assembly, P.A.V.T. Socket	1
8	182 096 M1	Socket, P.A.V.T. Wheel Wrench (For Cam Type Clamps)(1/2" Sq. Sckt.)	1
8	187 557 M1	Socket, P.A.V.T. Wheel Wrench (For Ramp Type Clamps)(1-21/64" Hex. Socket)	1
12	1 750 597 M1	Adapter, Tire Pump (18MM)	1
12	1 750 599 M1	Adapter, Tire Pump (14MM)	1
13	1 750 598 M1	Washer, Adapter	1
14	1 750 600 M1	Screw, Adapter Retaining	1
18	1 753 116 M91	Adapter, Tire Pump (18MM)	1
18	1 753 115 M1	Adapter, Tire Pump (14MM) (Order 1 753 490 M1)	1
19	1 753 490 M1	Adapter (18MM to 14MM)	1

SEALANT KIT

26	841 569 M91	Sealant Kit	1
27		Bearing Mount (10 cc Bottle)	1
28		Nut Lock (10 cc Bottle)	1
29		Sealant, Hydraulic (2 oz. Flask)	1
30		Primer (4 oz. Spray Can)	1

PAINT

36	830 696 M2	Red Enamel (12 oz. Spray Can)	x
37	830 707 M2	Red Enamel (U.S. Quart)	x
37	800 503 M2	Red Enamel (Imperial Quart)	x
38	830 708 M2	Red Enamel (U.S. Gallon)	x
38	800 504 M2	Red Enamel (Imperial Gallon)	x
36	830 693 M1	Bronze (12 oz. Spray Can)	x
37	830 694 M1	Bronze (U.S. Quart)	x
38	830 695 M1	Bronze (U.S. Gallon)	x
36	768 975 M1	Yellow Enamel (12 oz. Spray Can)	x
37	768 974 M1	Yellow Enamel (U.S. Quart)	x
37	196 282 M1	Yellow Enamel (Imperial Quart)	x
38	768 976 M1	Yellow Enamel (U.S. Gallon)	x
38	196 283 M1	Yellow Enamel (Imperial Gallon)	x

F810-3

1 MASSEY-FERGUSON 65

FERGUSON SYSTEM

5 HIGH ALTITUDE

2 Multi-Power FERGUSON SYSTEM

4

7

MAINTENANCE & LUBRICATION SCHEDULE
UNDER NORMAL OPERATING CONDITIONS

10 OPERATING HOURS (OR DAILY)
1 LUBRICATE ALL GREASE FITTINGS
2 CLEAN AIR CLEANER & CHANGE OIL
3 CHECK CRANKCASE & TRANSMISSION OIL LEVEL
4 DRAIN OFF ANY WATER IN FUEL FILTERS

50 OPERATING HOURS (OR WEEKLY)
1 CHECK POWER STEERING RESERVOIR OIL LEVEL
2 CLEAN THE FUEL FILTER & SEDIMENT BOWL
3 CHECK & INSPECT BATTERY
4 CHECK & INSPECT TIRES
5 CHECK & MAINTAIN RADIATOR COOLANT LEVEL

100 OPERATING HOURS
1 CHANGE OIL IN CRANKCASE
2 LUBRICATE DISTRIBUTOR CAM
3 OIL GENERATOR
4 CHECK & MAINTAIN OIL LEVEL DRIVE AXLE HOUSINGS WHERE APPLICABLE
5 DRAIN THE 1st STAGE FUEL FILTER (DIESEL ENGINE

200 OPERATING HOURS
1 REPLACE CRANKCASE OIL FILTER ELEMENT
2 CLEAN OIL SUMP SCREEN (DIESEL ENGINE)
3 REMOVE & CLEAN ENGINE BREATHER PIPE

500 OPERATING HOURS
1 REPLACE 1st STAGE FUEL FILTER (DIESEL ENGINE)

750 OPERATING HOURS
1 CHANGE OIL TRANSMISSION DIFFERENTIAL & DRIVE AXLE HOUSINGS (WHERE APPLICABLE)
2 CHANGE OIL & REPLACE FILTER ELEMENT POWER STEERING
3 CLEAN & FLUSH RADIATOR AIR CLEANER CARBURETOR FUEL TANK
4 FILL DISTRIBUTOR OIL RESERVOIR (GAS ENGINE)
5 CHECK & MAINTAIN LUBE LEVEL STEERING GEAR
6 REPLACE FUEL FILTER (LPG ONLY)

1000 OPERATING HOURS
1 REPACK FRONT WHEEL BEARINGS
2 REPLACE 1st & 2nd STAGE FUEL FILTERS (DIESEL

CAUTION—IF ENGINE DOES NOT START PROMPTLY DO NOT RE-ENGAGE STARTER UNTIL ENGINE HAS COME TO COMPLETE REST. ENGAGEMENT DURING "ROCK-BACK" WILL DAMAGE STARTER.
FOR DETAIL INFORMATION CONSULT YOUR OWNER'S MANUAL AND YOUR M-F DEALER

3 CAUTION
WHEN OPERATING SEMI-STATIONARY EQUIPMENT SUCH AS BACKHOES AND TRENCHERS, SHUTTLE LEVER MUST BE IN FORWARD OR REVERSE POSITION AND TRANSMISSION GEARS AND HI-LO GEARS IN NEUTRAL.

9 MASSEY-FERGUSON 65 DIESELMATIC

WARNING!
ADVERTENCIA

6

STARTING INSTRUCTIONS
RELEASE FUEL CUTOFF-OPEN THROTTLE HALFWAY
NORMAL WEATHER OR WARM ENGINE
SWITCH TO "STARTER" POSITION
COLD WEATHER
SWITCH TO "HEATER" POSITION FOR 10-15 SEC. THEN SWITCH TO "HEATER AND STARTER" POSITION IF NO START OCCURS WITHIN 10 SEC. RETURN TO "HEATER" POSITION AND REPEAT OPERATION.
DO NOT RACE COLD ENGINE

12

13

FLOAT-O-MATIC RIDE

14

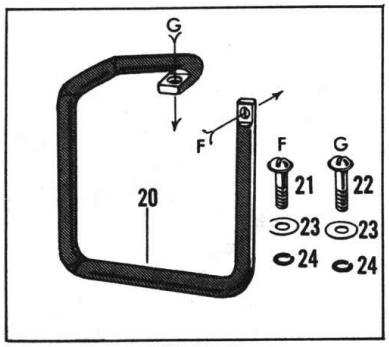
LISTED UNDER REEXAMINATION SERVICE UNDERWRITERS' LABORATORIES, INC. OF

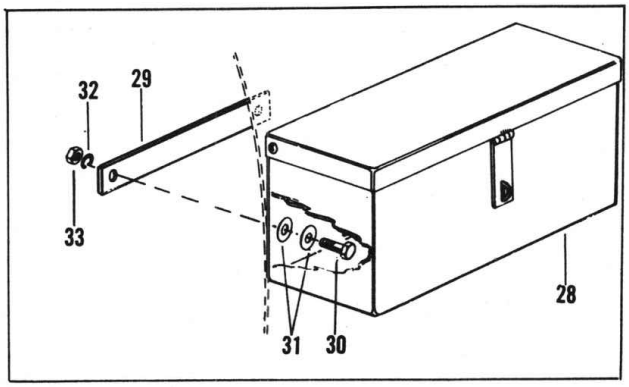
15

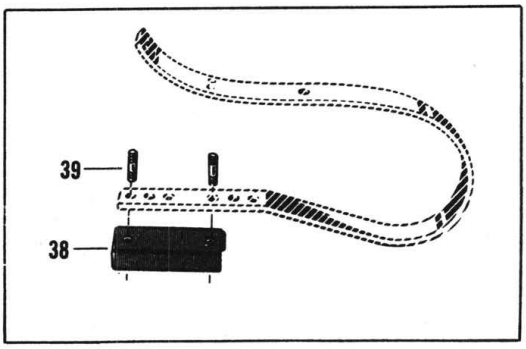
WARNING!
SERVICE DAILY OFTENER IN SEVERE DUST CONDITIONS
CLEAN AND REFILL OIL CUP TO OIL LEVEL BEAD WITH RECOMMENDED SEASONAL GRADE OF CRANKCASE OIL
DUST IN CUP MUST NOT EXCEED 1/8" IN DEPTH WHEN SERVICING INSPECT AND CLEAN SCREENS AND CENTER TUBE

8

10 DIESEL







Ref. No.	Part No.	Description	No. Req.
1	196 213 M1	Massey-Ferguson 65 (Agricultural) (Regular Transmission) (Red Background)	2
1	186 409 M1	Massey-Ferguson 65 (Utility) (Regular Transmission)(Yellow Background)	2
2	191 293 M1	Multi-Power Ferguson System (Right Hand)	1
2	191 295 M1	Multi-Power Ferguson System (Left Hand)	1
3	196 310 M1	Manual Shuttle Transmission	1
4	196 210 M1	Ferguson System (Right Hand) (Regular Transmission)	1
4	196 199 M1	Ferguson System (Left Hand) (Regular Transmission)	1
5	183 228 M1	Hi-Altitude (Gas)	1
6	183 158 M1	Hi-Altitude Instructions (Gas)	1
7	193 222 M1	Lubrication and Maintenance	1
8	183 203 M2	Warning (Air Cleaner)	1
9	191 265 M1	Massey-Ferguson 65 Dieselmatic	2
10	186 584 M1	Diesel (Agricultural) (Regular Transmission) (Red Background)	2
10	186 894 M1	Diesel (Utility) (Regular Transmission) (Yellow Background)	2
10	188 064 M1	Diesel Special	2
12	186 882 M1	Starting Instructions (Diesel)	1
13	196 363 M1	MF Trademark (Agricultural) (On Seat) (Red Background)	1
13	196 297 M1	MF Trademark (Utility) (On Seat) (Yellow Background)	1
14	193 373 M1	Float-O-Matic Ride (On Seat)	1
15	185 418 M1	Underwriters Laboratories	1

ACCESSORIES

INTERMEDIATE STEP

(677 359)

20		Step, Intermediate (Order 677 359)	1
21	355 152 X1	Screw (5/16 x 1" NC, Truss Hd.)	1
22	364 011 X1	Screw (5/16 x 1-1/4" NC, Truss Hd.)	1
23	353 755 X1	Washer (5/16" Small Flat)	2
24	355 565 X1	Nut (5/16" NC, Hex.)	2

TOOL BOX

(677 361)

28		Box Assembly, Tool (Order 677 361)	1
29	193 929 M1	Strap, Tool Box Mounting	1
30	353 538 X1	Bolt (3/8 x 1" NF, Hex.)	2
31	353 756 X1	Washer (3/8" Small Flat)	4
32	353 434 X1	Washer (3/8" Lock)	2
33	353 431 X1	Nut (3/8" NF, Hex.)	2

SEAT RISER

(677 344)

38		Riser, Seat	1
39	353 967 X1	Stud (7/16" NC-NF x 3-1/16")	2

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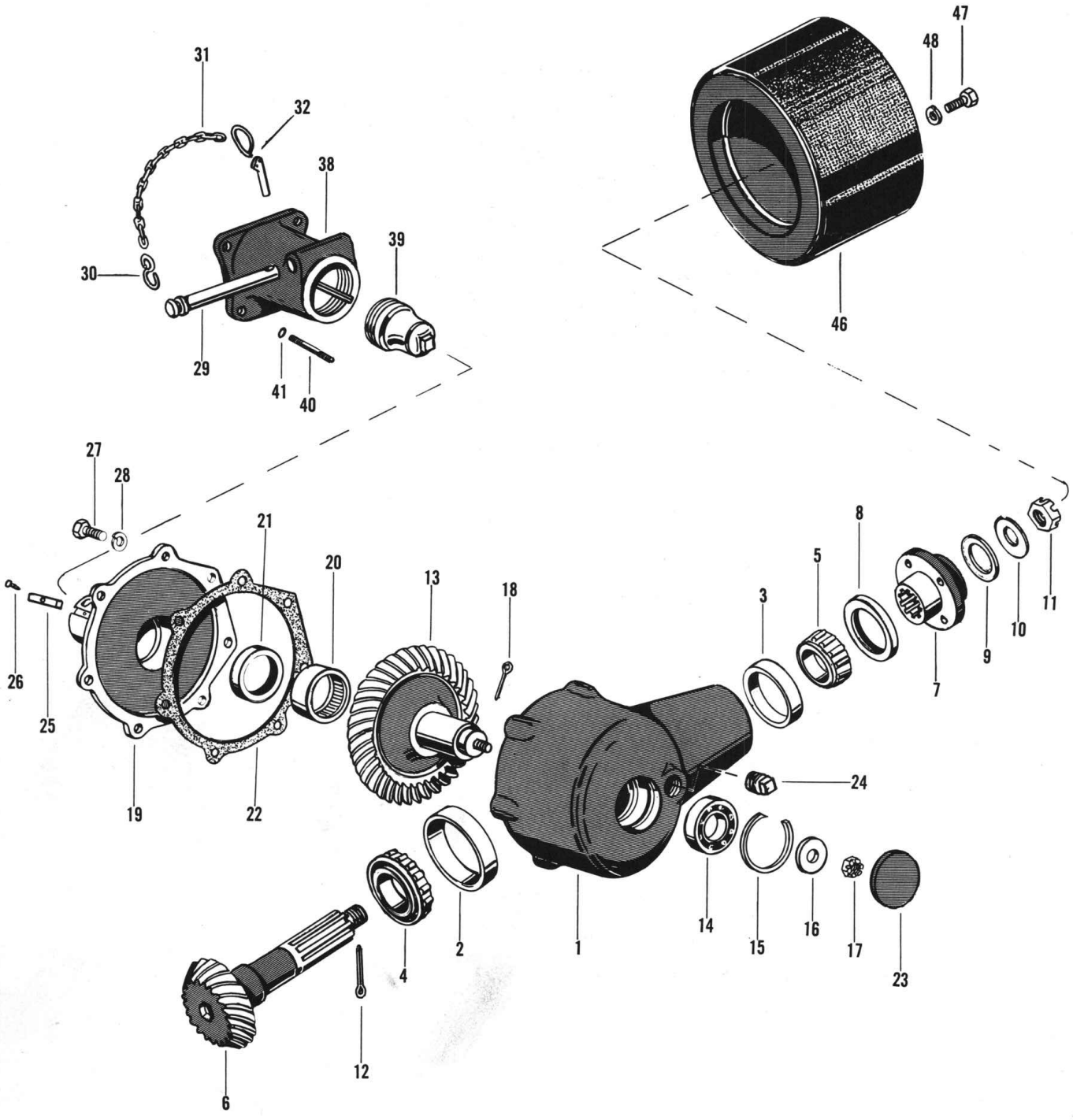
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BELT PULLEY DRIVE (1700-540 TRANSMISSION)

(677 160)

Ref. No.	Part No.	Description	No. Req.
1	183 608 M91	Housing Assembly, Drive	1
2	831 253 M1	Cup, Bearing, Inner	1
3	15 854 X	Cup, Bearing, Outer	1
4	831 254 M1	Cone, Bearing, Inner	1
5	15 853 X	Cone, Bearing, Outer	1
6	183 604 M1	Pinion, Pulley Drive	1
7	180 020 M1	Hub, Pulley Drive Pinion	1
8	831 282 M1	Seal, Oil (2 x 3 x 1/2")	1
9	195 527 M1	Seal, Oil (7/8 x 1-5/8 x 1/8")	1
10	675 222 M1	Washer (25/32 x 2 x 3/16")	1
11	353 928 X1	Nut (3/4" NF, Sltd. Hex.)	1
12	354 070 X1	Cotter Pin (5/32 x 1-1/2")	1
13	183 603 M91	Gear Assembly, Pulley Drive	1
14	GA 1 773	Bearing, Ball	1
15	195 682 M1	Ring, Snap, Bearing Retaining	1
16	667 556 M1	Washer (15/32 x 1-5/8 x 1/8")	1
17	353 925 X1	Nut (7/16" NF, Sltd. Hex.)	1
18	354 048 X1	Cotter Pin (3/32 x 3/4")	1
19	183 606 M92	Housing Assembly, Input Bearing	1
20	831 220 M1	Bearing, Needle	1
21	831 236 M1	Seal, Oil	1
22	183 600 M1	Gasket, Housing	1
23	19 467 X	Plug (2-5/8" Expansion)	1
24	195 251 M1	Plug (3/4" P.T., Sq. Hd.)	1
25	183 579 M1	Key, Housing	1
26	831 516 M1	Screw, Key Retaining (#2 x 3/8" Drive)	1
27	353 699 X1	Bolt (7/16 x 1-1/8" NC, Hex.)	7
28	353 432 X1	Washer (7/16" Lock)	7
29	195 589 M1	Pin, Retainer	1
30	195 559 M1	Eye, Chain to Pin	1
31	193 343 M1	Chain, Pin	1
32	196 280 M91	Pin Assembly, Linch	1

PULLEY DRIVE ADAPTER

(677 183)

38		Adapter, Pulley Drive (Order 677 183)	1
39	183 464 M1	Cap, P.T.O. Shaft	1
40	355 195 X1	Stud, Adapter (7/16" NF x 2-1/2")	4
41	353 432 X1	Washer, Adapter Stud (7/16" Lock)	4

BELT PULLEY

(677 347)

46		Pulley, Belt (10-1/4" Dia.) (Order 677 347)	1
47	353 559 X1	Bolt, Pulley (7/16 x 1" NF, Hex.)	4
48	353 432 X1	Washer (7/16" Lock)	4

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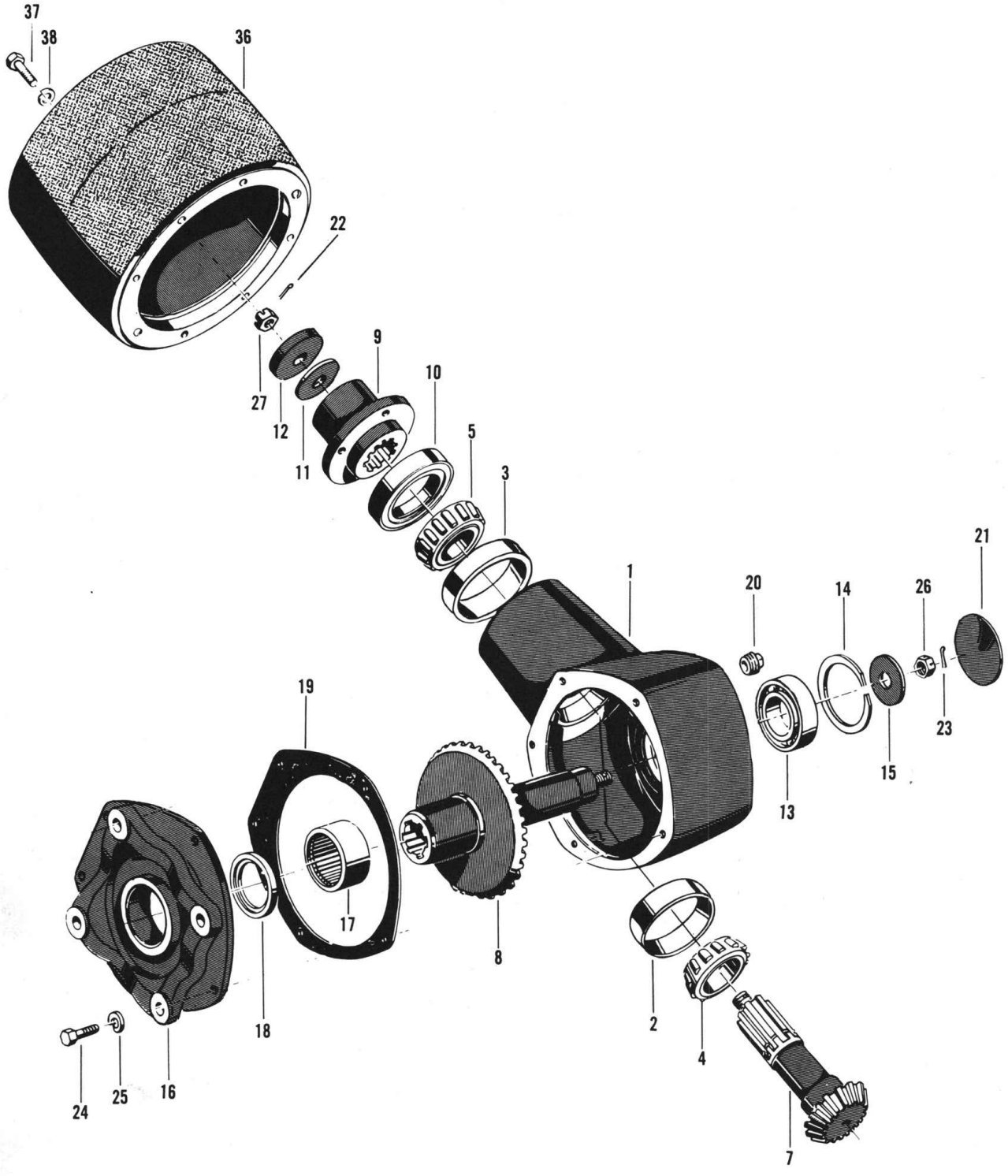
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BELT PULLEY DRIVE (1500-540 TRANSMISSION)

(677 085)

Ref. No.	Part No.	Description	No. Req.
1	180 013 M91	Housing Assembly, Drive	1
2	15 854 X	Cup, Bearing, Inner	1
3	16 234 X	Cup, Bearing, Outer	1
4	15 853 X	Cone, Bearing, Inner	1
5	831 337 M1	Cone, Bearing, Outer	1
	184 083 M91	Gear and Pinion Set (Matched)	1
7		Pinion, Pulley Drive (Order 184 083 M91)	1
8		Gear Assembly, Pulley Drive (Order 184 083 M91)	1
9	180 020 M1	Hub, Pinion	1
10	195 474 M1	Seal, Oil (2 x 2-3/4 x 1/2")	1
11	195 527 M1	Seal, Oil (7/8 x 1-5/8 x 1/8")	1
12	675 222 M1	Washer, Pinion Shaft	1
13	GA 1 773	Bearing, Ball	1
14	195 682 M1	Ring, Snap, Bearing Retaining	1
15	667 556 M1	Washer, Drive Gear	1
16	180 015 M1	Housing, Input Bearing	1
17	195 472 M1	Bearing, Needle	1
18	195 473 M1	Seal, Oil (1-3/4 x 2-1/8 x 3/16")	1
19	180 021 M1	Gasket, Bearing Housing	1
20	195 251 M1	Plug (3/4" P.T., Sq. Hd.)	1
21	19 467 X	Plug (2-5/8" Expansion)	1
22	354 070 X1	Cotter Pin (5/32 x 1-1/2")	1
23	354 048 X1	Cotter Pin (3/32 x 3/4")	1
24	353 698 X1	Screw, Bearing Housing (7/16 x 1" NC, Hex.)	5
25	353 432 X1	Washer (7/16" Lock)	5
26	353 925 X1	Nut (7/16" NF, Sltd. Hex.)	1
27	353 928 X1	Nut (3/4" NF, Sltd. Hex.)	1

BELT PULLEY

(677 702)

36		Pulley, Belt (9" Dia.) (Order 677 702)	1
37	353 558 X1	Bolt, Pulley (7/16 x 7/8" NF, Hex.)	4
38	353 432 X1	Washer (7/16" Lock)	4

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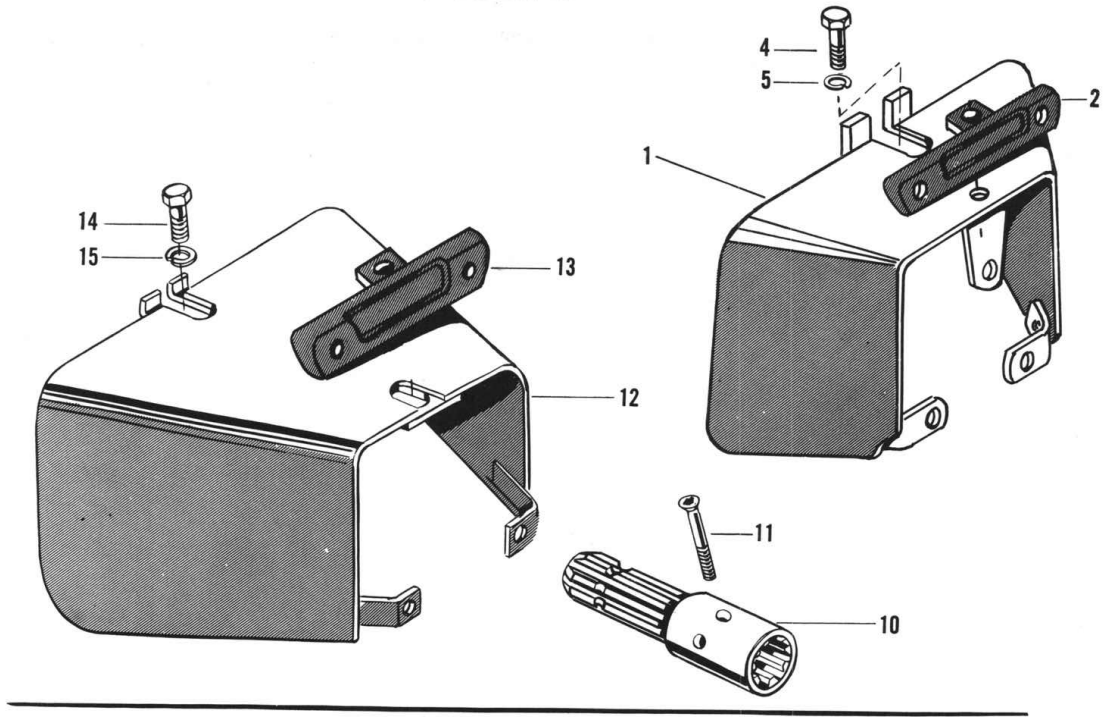

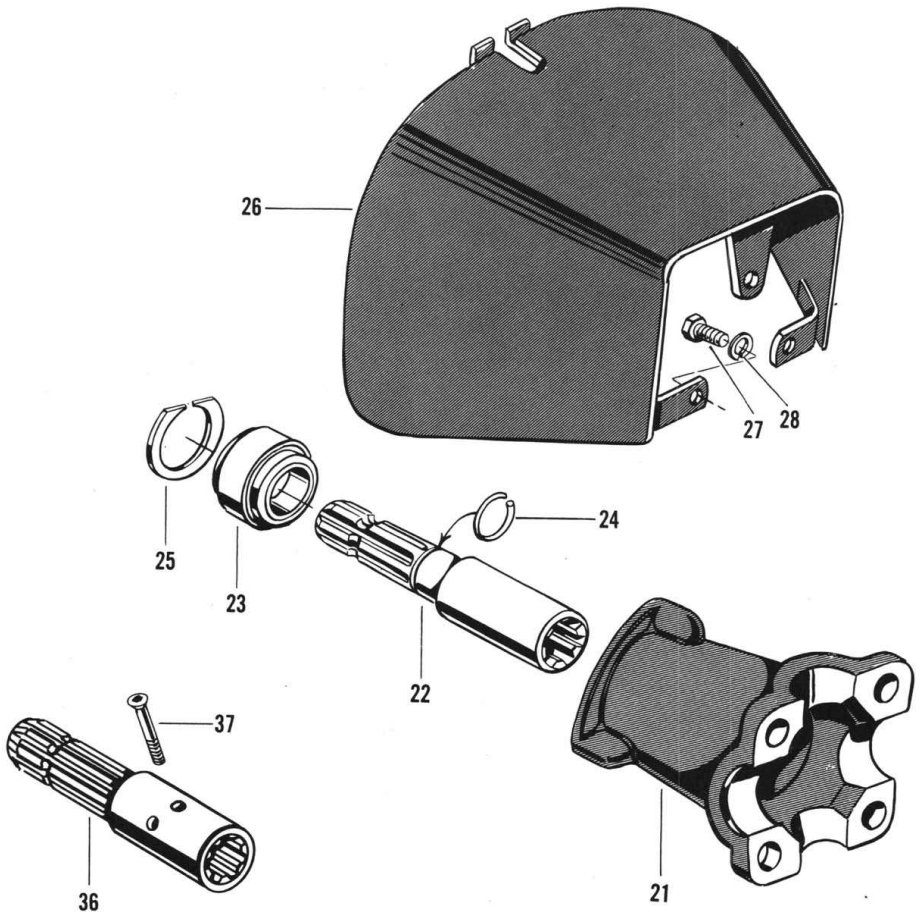

P.T.O. GUARD

(677 438)

Ref. No.	Part No.	Description	No. Req.
1	824 490 M93	Shield Assembly, P.T.O. Shaft	1
2	507 404 M1	Bracket, Control Beam	1
	899 106 M1	Spacer (1/4 x 1-1/4") (Not Illustrated)	2
4	353 557 X1	Bolt (7/16 x 3/4" NF, Hex.)	1
5	353 432 X1	Washer (7/16" Lock)	1

P.T.O. EXTENSION AND GUARD

(677 439)

10	182 014 M92	Shaft Assembly, Extension	1
11	358 575 X1	Screw (5/16 x 1-5/8" Flat Sckt. Hd.)	1
12	507 435 M91	Guard Assembly, P.T.O. Shaft Extension	1
13	507 404 M1	Bracket, Control Beam	1
14	353 557 X1	Bolt (7/16 x 3/4" NF, Hex.)	1
15	353 432 X1	Washer (7/16" Lock)	1

P.T.O. EXTENSION AND GUARD

(677 440)

21	189 352 M2	Housing, P.T.O. Extension	1
22	189 353 M1	Shaft, P.T.O. Extension	1
23	196 095 M1	Bearing, Ball	1
24	189 342 M1	Ring, Snap, Bearing to Shaft	1
25	831 207 M1	Ring, Snap, Bearing to Housing	1
26	181 289 M91	Guard Assembly, P.T.O. Extension	1
27	353 698 X1	Bolt (7/16 x 1" NC, Hex.)	3
28	353 432 X1	Washer (7/16" Lock)	3

P.T.O. EXTENSIONS

(677 369)

36	182 014 M92	Shaft Assembly, P.T.O. Extension	1
37	358 575 X1	Screw (5/16 x 1-5/8" Flat Sckt. Hd.)	1

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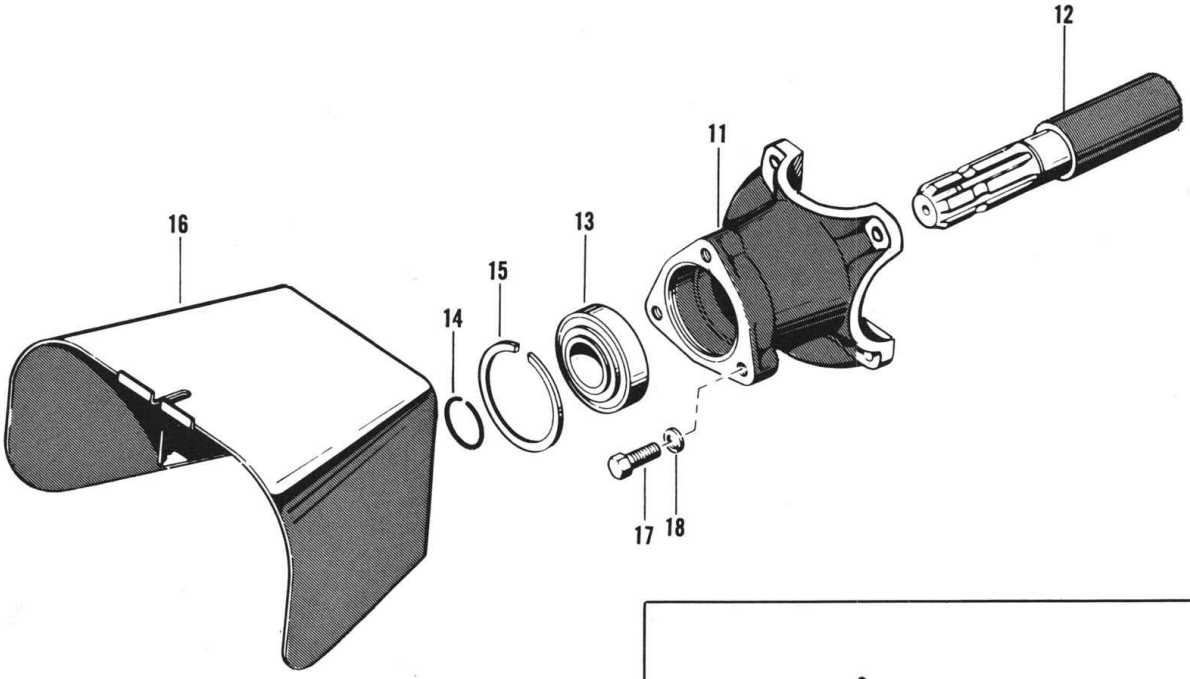

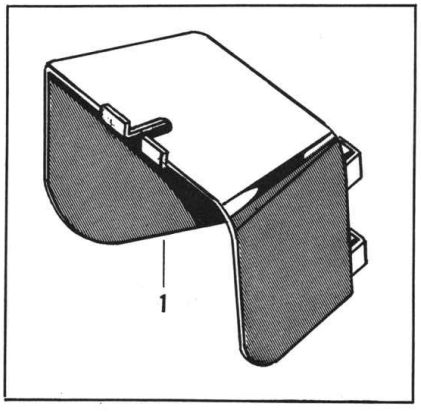

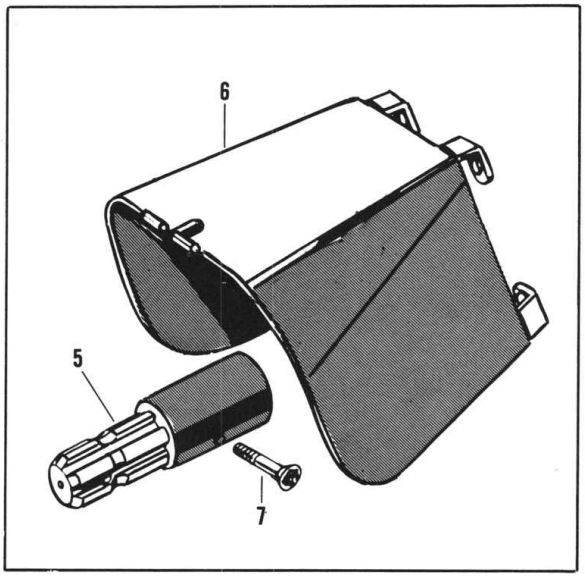

P.T.O. GUARD

(677 195)

Ref. No.	Part No.	Description	No. Req.
1		Guard, P.T.O. (Order 677 438, See Page 325).....	1

P.T.O. EXTENSION AND GUARD

(677 196)

5	182 014 M92	Shaft Assembly, P.T.O. Extension.....	1
6	185 083 M91	Guard Assembly, P.T.O. Extension.....	1
7	358 575 X1	Screw (5/16 x 1-5/8" Sckt. Hd.).....	1

P.T.O. EXTENSION AND GUARD

(677 312)

11	189 352 M2	Housing, Extension Shaft.....	1
12	189 353 M1	Shaft, P.T.O. Extension.....	1
13	196 095 M1	Bearing, Ball.....	1
14	189 342 M1	Ring, Snap, Bearing to Shaft.....	1
15	831 207 M1	Ring, Snap, Bearing to Housing.....	1
16	181 289 M91	Guard Assembly, P.T.O. Extension.....	1
17	353 698 X1	Bolt (7/16 x 1" NC, Hex.).....	3
18	353 432 X1	Washer (7/16" Lock).....	3

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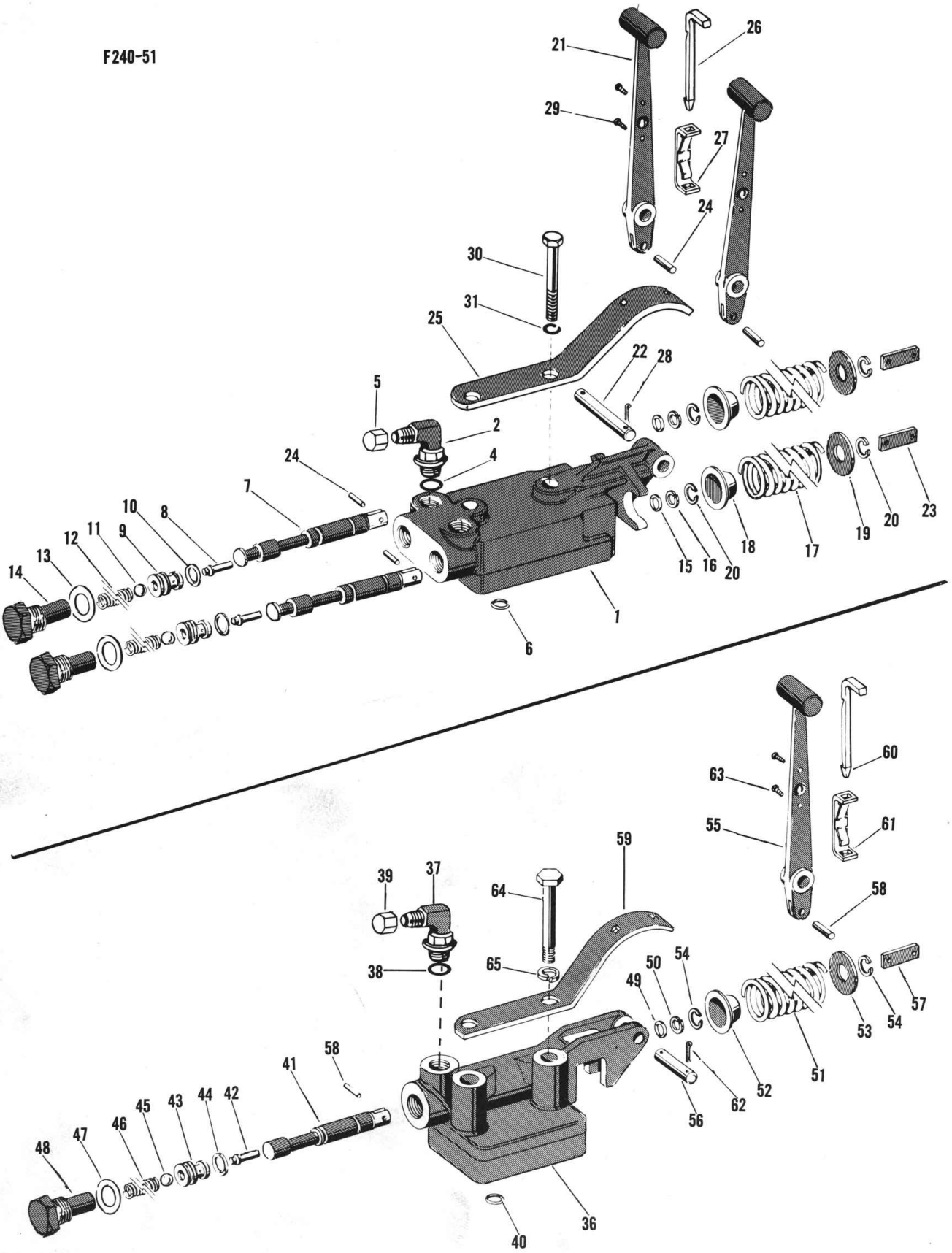
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DUAL CONTROL VALVE

(677 265)

Ref. No.	Part No.	Description	No. Req.
		Auxiliary Hydraulic Valve (2 Spool)(Order 677 265)	1
1	830 978 M91	Body Assembly, Dual Control Valve	1
2	357 197 X91	Elbow Assembly (9/16" NF - 90°)	2
4	831 452 M1	"O" Ring, Elbow	1
5	356 579 X1	Cap, Elbow	2
6	195 869 M1	"O" Ring, Valve Body	3
7	667 218 M1	Spool, Valve	2
8	667 161 M1	Valve, Variable	2
9	667 158 M1	Body, Variable Valve	2
10	195 868 M1	"O" Ring, Variable Valve Body	2
11	22 199 X	Ball, Poppet (3/8" Dia.)	2
12	667 151 M1	Spring, Ball Poppet	2
13	195 889 M1	Seal, Oil (7/8 x 1-17/64 x 3/32" Rubber)	2
14	667 181 M91	Cap Assembly, Valve	2
15	195 561 M1	"O" Ring, Spool	2
16	195 874 M1	Ring, "O" Ring Back-Up	2
17	667 159 M1	Spring, Spool	2
18	668 328 M1	Retainer, Spool Spring, Rear	2
19	195 866 M1	Retainer, Spool Spring, Front (35/64 x 1-1/4 x 1/32")	2
20	354 476 X1	Ring, Snap, Spring Retaining	4
21	667 175 M1	Handle, Valve	2
22	667 216 M1	Pin, Handle (3/8 x 2-13/16")	1
23	667 150 M1	Link, Valve Handle	2
24	22 677 X	Pin, Link (1/2 x 3/16" Roll)	4
25	667 217 M1	Bracket, Detent	1
26	667 172 M1	Detent	1
27	668 300 M91	Guide Assembly, Detent	1
28	354 048 X1	Cotter Pin (3/32 x 3/4")	2
29	195 935 M1	Screw, Guide to Handle	2
30	353 715 X1	Bolt (7/16 x 3-1/8" NC, Hex.)	2
31	353 432 X1	Washer (7/16" Lock)	2

SINGLE CONTROL VALVE

(677 269)

		Auxiliary Hydraulic Valve (1 Spool)(Order 677 464, See Page 331)	1
36	830 995 M91	Body Assembly, Single Control Valve	1
37	357 197 X91	Elbow Assembly (9/16" NF - 90°)	1
38	831 452 M1	"O" Ring, Elbow	1
39	356 579 X1	Cap, Elbow	1
40	195 869 M1	"O" Ring, Valve Body	3
41	668 338 M1	Spool, Valve	1
42	667 161 M1	Valve, Variable	1
43	667 158 M1	Body, Variable Valve	1
44	195 868 M1	"O" Ring, Variable Valve Body	1
45	22 199 X	Ball, Poppet (3/8" Dia.)	1
46	667 151 M1	Spring, Ball Poppet	1
47	195 889 M1	Seal, Oil (7/8 x 1-17/64 x 3/32" Rubber)	1
48	667 181 M91	Cap Assembly, Valve	1
49	195 561 M1	"O" Ring, Spool	1
50	195 874 M1	Ring, "O" Ring Back-up	1
51	667 159 M1	Spring, Spool	1
52	668 328 M1	Retainer, Spool Spring, Rear	1
53	195 866 M1	Retainer, Spool Spring, Front (35/64 x 1-1/4 x 1/32")	1
54	354 476 X1	Ring, Snap, Spring Retaining	2
55	667 175 M1	Handle, Valve	1
56	668 301 M1	Pin, Handle (3/8 x 1-23/32")	1
57	667 150 M1	Link, Valve Handle	1
58	22 677 X	Pin, Link (1/2 x 3/16" Roll)	2
59	667 178 M1	Bracket, Detent	1
60	667 172 M1	Detent	1
61	668 300 M91	Guide Assembly, Detent	1
62	354 048 X1	Cotter Pin (3/32 x 3/4")	1
63	195 935 M1	Screw, Guide to Handle	1
64	353 715 X1	Bolt (7/16 x 3-1/8" NC, Hex.)	1
65	353 432 X1	Washer (7/16" Lock)	1

BE 520-1
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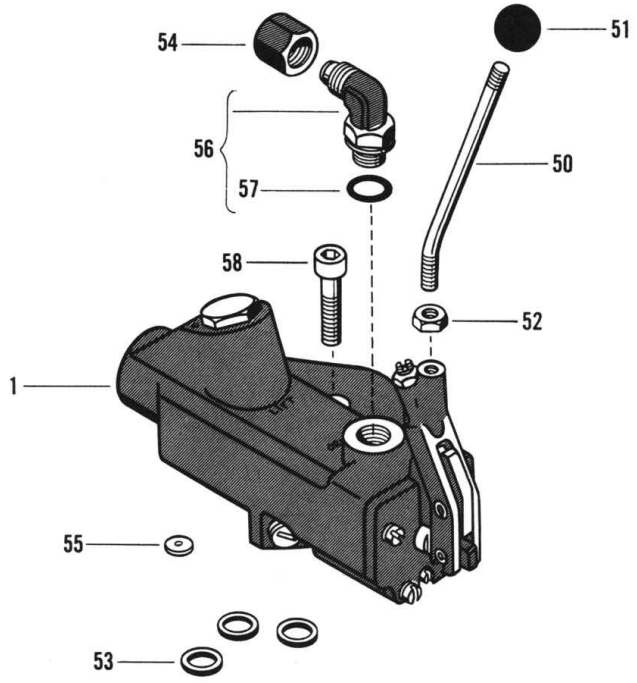
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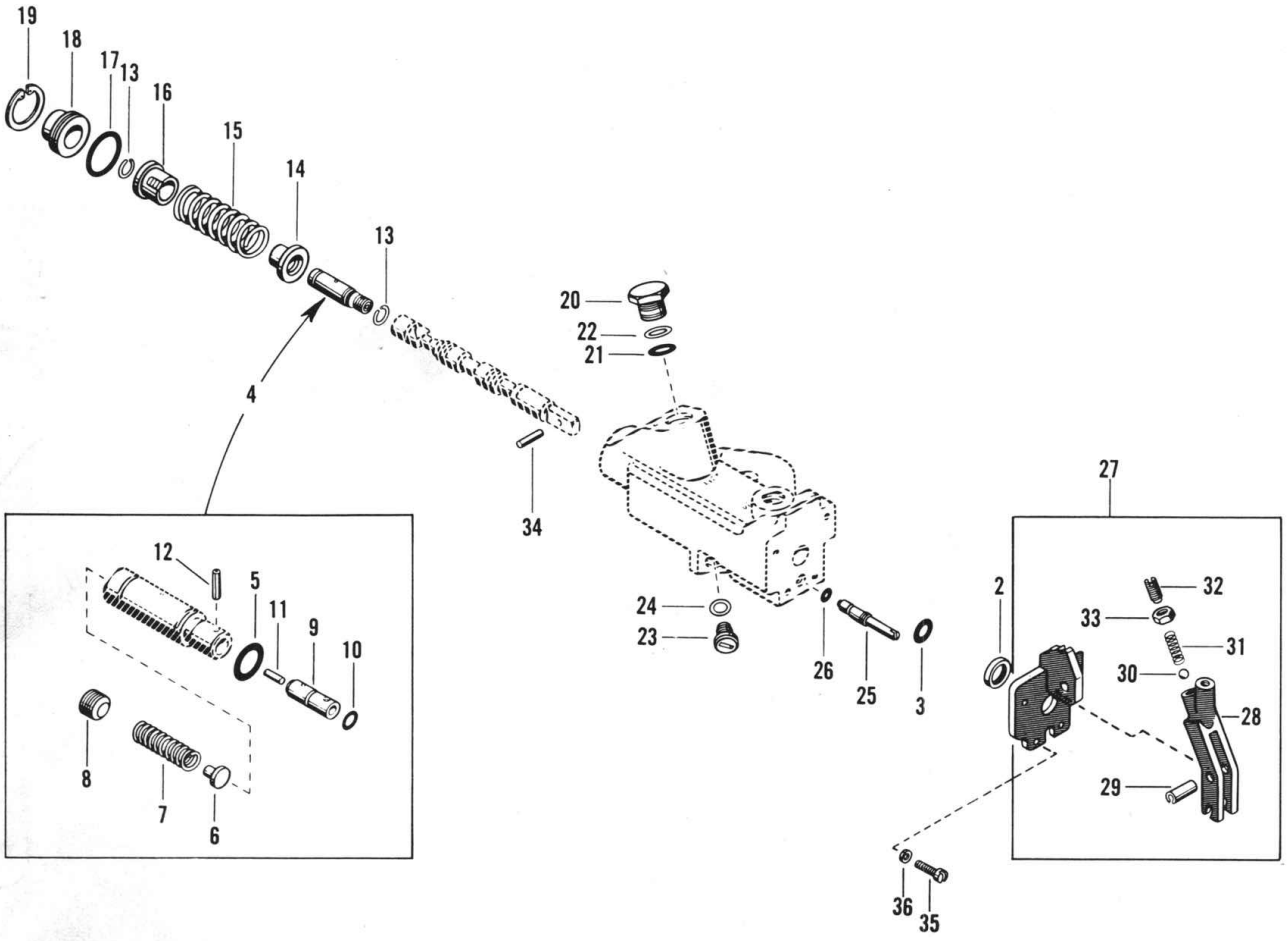
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SINGLE CONTROL VALVE

(677 464)

Ref. No.	Part No.	Description	No. Req.
1		Valve Assembly, Single Spool (Order 677 464)	1
2	1 028 624 M1	Wiper, Spool	1
3	359 250 X1	"O" Ring, Main Spool (11/16" ID x 3/32")	1
4	1 028 437 M91	Plug Assembly, Spool	1
5	831 496 M1	"O" Ring, Plug to Body (27/64" ID x 5/64")	1
6	1 028 438 M1	Retainer, Spring	1
7	1 028 439 M1	Spring, Kickout	1
8	364 562 X1	Screw, Spring (7/16" NF, Sckt. Hd., Nylon Lock)	1
9	1 028 440 M1	Guide, Pin	1
10	359 240 X1	"O" Ring, Pin Guide (3/16" ID x 1/16")	1
11	1 028 441 M1	Pin (3/32 x 3/8")	1
12	357 617 X1	Pin, Guide Retaining (3/32 x 11/16" Roll)	1
13	364 564 X1	Ring, Snap, Spool Plug Retaining	2
14	1 028 444 M1	Sleeve, Main Spool	1
15	1 028 442 M1	Spring, Spool Plug	1
16	1 028 443 M1	Sleeve, Collar	1
17	364 561 X1	"O" Ring, End Cap (1-3/8" ID x 1/16")	1
18	1 028 436 M1	Cap, Valve Spool End	1
19	364 559 X1	Ring, Snap, Cap Retaining	1
20	1 028 448 M1	Plug, Load Check	1
21	196 174 M1	"O" Ring, Load Check Plug (47/64" ID x 1/16")	1
22	1 028 449 M1	Ring, Load Check Backup	1
23	1 028 446 M1	Plug, Backflow Check	1
24	831 452 M1	O" Ring, Plug (15/32" ID x 5/64")	1
25	1 028 445 M1	Valve, Switch	1
26	359 242 X1	"O" Ring, Switch Valve (1/4" ID x 1/16")	1
27	1 028 623 M1	Cover Assembly	1
28	1 028 452 M1	Handle, Control Valve	1
29	359 444 X1	Pin, Handle to Cover	1
30	831 872 M1	Ball, Detent	1
31	1 028 453 M1	Spring, Detent Ball	1
32	364 565 X1	Screw, Spring (3/8 x 3/4" NF, Sltd. Set)	1
33	353 430 X1	Nut (3/8" NF, Half Hex.)	1
34	195 468 M1	Pin, Handle to Spool	1
35	357 459 X1	Screw, Cover to Body	4
36	353 441 X1	Washer (1/4" Lock)	4
50	506 683 M1	Stud, Handle	1
51	185 642 M2	Knob, Handle	1
52	353 430 X1	Nut (3/8" NF, Hex.)	x
53	832 270 M1	Ring, Sealing (31/64" ID x 3/32" Sq. Section)	3
54	356 580 X1	Cap, Sealing (3/4" - 16 Thrd.)	2
55	185 640 M1	Washer, Restrictor	1
56	358 762 X91	Elbow Assembly (3/4" - 16 Thrd.)	2
57	831 497 M1	"O" Ring (41/64" ID x 3/32")	1
58	360 853 X1	Bolt (7/16 x 1-3/4" NC, Sckt. Hd.)	2

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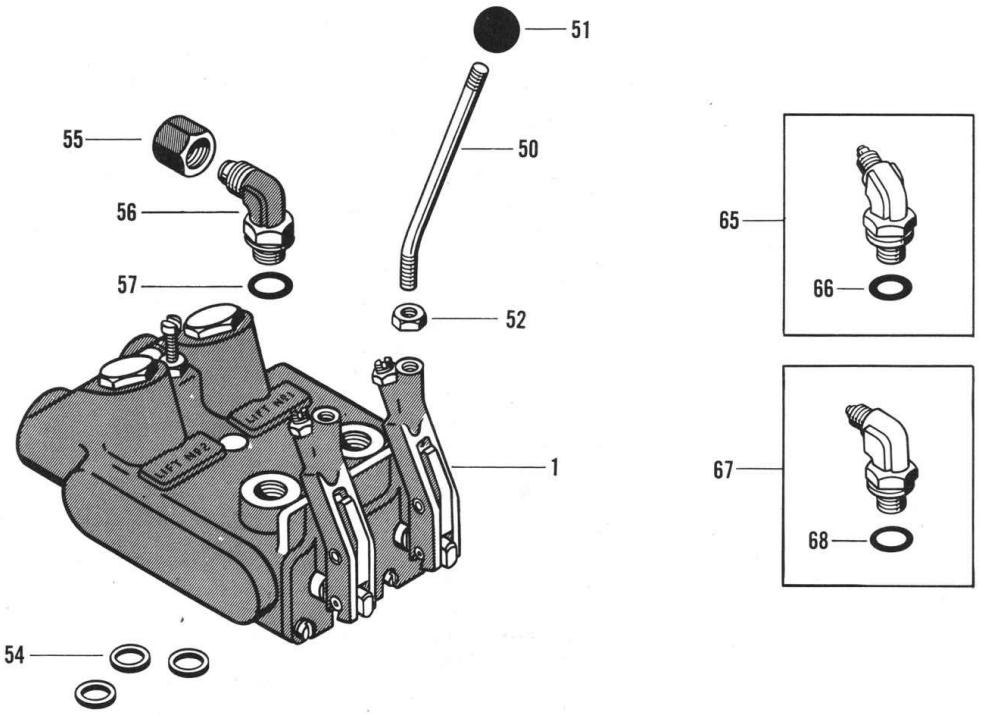
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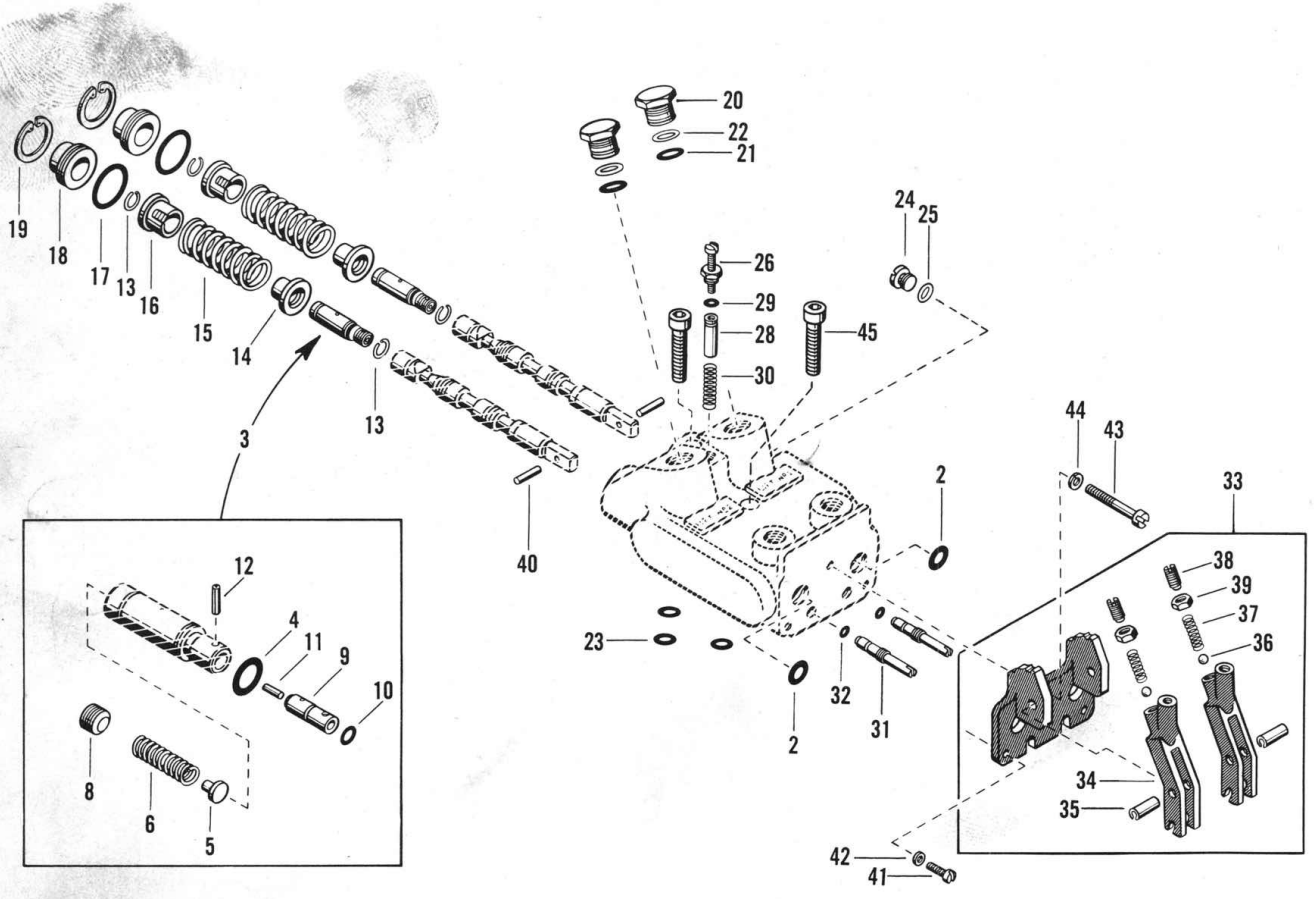
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DUAL CONTROL VALVE

(677 421)

Ref. No.	Part No.	Description	No. Req.
1		Valve Assembly, Dual Spool (Order 677 421)	1
2	359 250 X1	"O" Ring, Main Spool (11/16" ID x 3/32")	2
3	1 028 437 M91	Plug Assembly, Spool	2
4	831 496 M1	"O" Ring, Plug to Body (27/64" ID x 5/64")	1
5	1 028 438 M1	Retainer, Spring	1
6	1 028 439 M1	Spring, Kick Out	1
8	364 562 X1	Screw, Spring (7/16" NF, Sckt. Hd., Nylon Lock)	1
9	1 028 440 M1	Guide, Pin	1
10	359 240 X1	"O" Ring, Pin Guide (3/16" ID x 1/16")	1
11	1 028 441 M1	Pin (3/32 x 3/8")	1
12	357 617 X1	Pin, Guide Retaining (3/32 x 11/16" Roll)	1
13	364 564 X1	Ring, Snap, Spool Plug Retaining	4
14	1 028 444 M1	Sleeve, Main Spool	2
15	1 028 442 M1	Spring, Spool Plug	2
16	1 028 443 M1	Sleeve, Collar	2
17	364 561 X1	"O" Ring, End Cap (1-3/8" ID x 1/16")	2
18	1 028 436 M1	Cap, Valve Spool End	2
19	364 559 X1	Ring, Snap, Cap Retaining	2
20	1 028 448 M1	Plug, Load Check	2
21	196 174 M1	"O" Ring, Load Check Plug (47/64" ID x 1/16")	2
22	1 028 449 M1	Ring, Load Check Back-Up	2
23	832 270 M1	"O" Ring, Valve to Lift Cover (1/2" ID x 3/32")	3
24	1 028 446 M1	Plug, Backflow Check	1
25	831 452 M1	"O" Ring, Plug (15/32" ID x 5/64")	1
26	1 028 454 M91	Plug Assembly, Metering Valve	1
28	1 028 455 M1	Valve, Metering	1
29	832 269 M1	"O" Ring, Metering Valve (5/16" ID x 1/16")	1
30	1 028 456 M1	Spring, Metering Valve	1
31	1 028 445 M1	Valve, Switch	2
32	359 242 X1	"O" Ring, Switch Valve (1/4" ID x 1/16")	2
33	1 028 451 M91	Cover Assembly	1
34	1 028 452 M1	Handle, Control Valve	2
35	359 444 X1	Pin, Handle to Cover	2
36	831 872 M1	Ball, Detent	2
37	1 028 453 M1	Spring, Detent Ball	2
38	364 565 X1	Screw, Spring (3/8 x 3/4" NF, Sltd. Set)	2
39	353 430 X1	Nut (3/8" NF, Half Hex.)	2
40	195 468 M1	Pin, Handle to Main Spool	2
41	357 460 X1	Screw, Cover to Body	2
42	353 441 X1	Washer (1/4" Lock)	2
43	357 477 X1	Screw, Cover to Body	1
44	353 446 X1	Washer (5/16" Lock)	1
45	360 853 X1	Screw, Valve Attaching (7/16 x 1-3/4" Sckt. Hd.)	2
50	506 683 M1	Stud, Handle	2
51	185 642 M2	Knob, Handle	2
52	353 430 X1	Nut (3/8" NF, Hex.)	2
54	832 270 M1	Ring, Sealing (31/64" ID x 3/32" Sq. Section)	3
55	356 580 X1	Cap, Sealing (3/4" - 16 Thrd.)	4
56	358 762 X91	Elbow Assembly (3/4" - 16 Thrd., 90°)	4
57	831 497 M1	"O" Ring (41/64" ID x 3/32")	1
65 (A)	364 414 X91	Elbow Assembly (3/4" - 16 to 9/16" - 18 Thrd., 45°)	2
66	831 497 M1	"O" Ring (41/64" ID x 3/32")	1
67 (A)	364 415 X91	Elbow Assembly (3/4" - 16 to 9/16" - 18 Thrd., 90°)	2
68	831 497 M1	"O" Ring (41/64" ID x 3/32")	1

Note: (A) - Used in place of Item 56 when used with special size Hoses. Items 65 and 67 are not part of 677 421 Valve.

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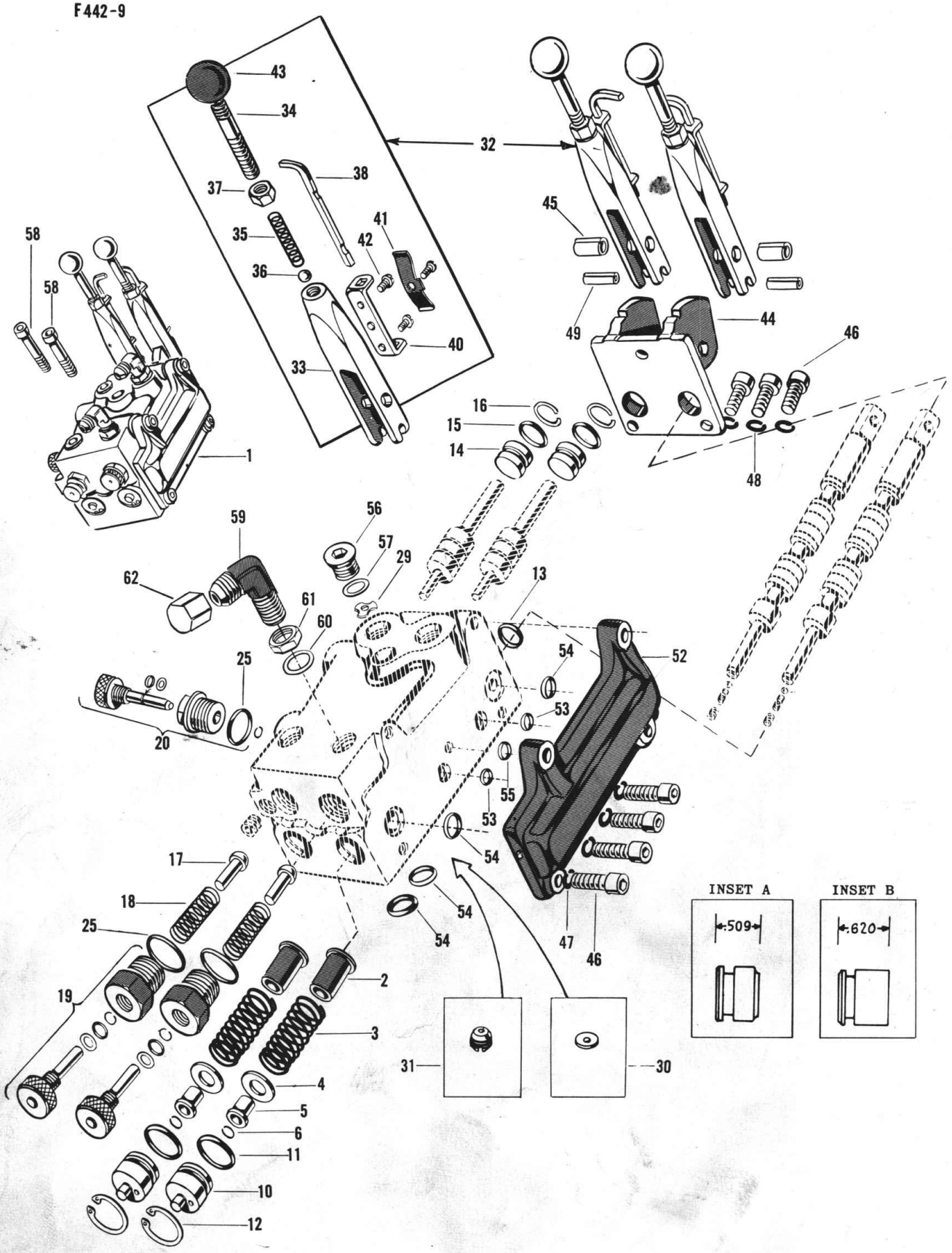
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AUXILIARY HYDRAULIC VALVE (DUAL SPOOL)

(677 219)

Ref. No.	Part No.	Description	No. Req.
1		Valve Assembly (Dual Spool) (Order 677 421, See Page 333)	1
2	185 617 M1	Sleeve, Main Spool	2
3	185 605 M1	Spring, Main Spool	2
4	185 609 M1	Retainer, Spool Spring	2
5	185 618 M1	Collar, Main Spool	2
6	196 108 M1	Ring, Snap, Collar Retaining	2
10	185 614 M1	Plug, Main Spool	2
11	832 271 M1	"O" Ring, Main Spool Plug	2
12	355 649 X1	Ring, Snap, Plug Retaining	2
13	832 271 M1	"O" Ring, Main Spool	2
14	192 874 M1	Plug, Shuttle Spool (See Inset "A")	2
14	185 610 M1	Plug, Shuttle Spool (See Inset "B")	2
15	359 247 X1	"O" Ring, Shuttle Spool Plug	2
16	363 514 X1	Ring, Snap, Shuttle Spool Plug (used w/182 874 M1)	2
17	192 136 M2	Valve, Poppet	2
18	185 607 M2	Spring, Valve Poppet	2
19	186 440 M91	Valve Assembly, Switch	2
20	186 442 M91	Valve Assembly, By-Pass	1
25	831 497 M1	"O" Ring, Plug Body	3
29	185 608 M2	Restrictor, Oil Flow	2
30 (A)	185 640 M1	Washer, Restrictor	1
31 (A)	189 576 M1	Plug, Restrictor	1
32	185 624 M91	Handle Assembly, Valve Control	1
33	185 619 M1	Clevis, Handle Body	2
34	185 689 M1	Shaft, Control Handle	2
35	185 604 M1	Spring, Handle Detent	2
36	831 872 M1	Ball, Handle Detent	2
37	353 431 X1	Nut, Shaft Lock	2
38	669 555 M1	Detent, Locking (Left Hand)	1
38	669 554 M1	Detent, Locking (Right Hand)	1
40	185 641 M1	Guide, Detent	2
41	185 643 M1	Spring, Detent Locking	2
42	360 085 X1	Screw, Guide and Spring	4
43	185 642 M2	Knob, Handle	2
44	185 620 M1	Cover, Front	1
45	356 922 X1	Pin, Handle to Cover (3/8 x 3/4" Roll)	2
46	357 852 X1	Screw, Cover to Body (5/16 x 3/4" NC, Sckt. Hd.)	7
47	353 446 X1	Washer (5/16" Lock)	4
48	831 257 M1	Washer (5/16" Lock, Special)	3
49	22 668 X	Pin, Handle to Main Spool (1/4 x 3/4" Roll)	2
52	186 387 M2	Cover Assembly, Side	1
53	832 269 M1	"O" Ring, Cover (5/16 x 7/16 x 1/16")	2
54	832 270 M1	"O" Ring, Cover (1/2 x 11/16 x 3/32")	4
55	832 271 M1	"O" Ring, Cover (5/8 x 13/16 x 3/32")	1
56	835 087 M91	Plug Assembly, Body	2
57	831 452 M1	"O" Ring, Plug	1
58 (A)	360 851 X1	Screw, Valve to Lift Cover (7/16 x 1-1/2" NC, Sckt. Hd.)	1
58 (A)	360 855 X1	Screw, Valve to Lift Cover (7/16 x 2" NC, Sckt. Hd.)	1
58 (A)	831 873 M1	Screw, Valve to Lift Cover (7/16 x 3-1/4" NC, Sckt. Hd.)	2
59	357 197 X91	Elbow Assembly (90°)	2
60	831 452 M1	"O" Ring, Elbow	1
61	357 195 X1	Nut, Lock, Elbow	1
62	356 579 X1	Cap, Elbow	2

Note: (A) - Check parts carefully before ordering.

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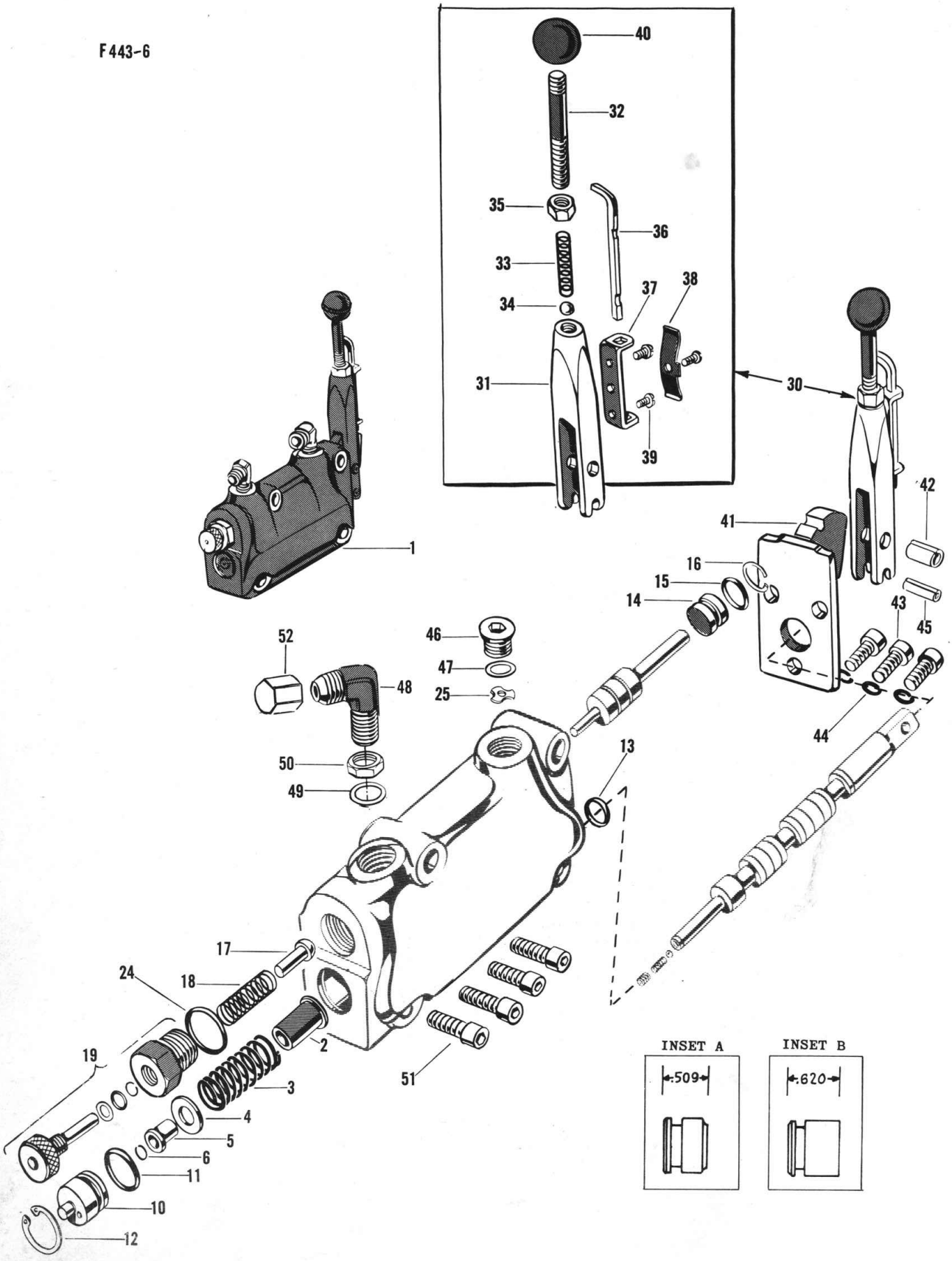
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AUXILIARY HYDRAULIC VALVE

3rd SPOOL ATTACHMENT

(677 221)

Ref. No.	Part No.	Description	No. Req.
1	185 809 M95	Valve Assembly (Single Spool) (Used w/677 219 Valve)	1
2	185 617 M1	Sleeve, Main Spool	1
3	185 605 M1	Spring, Main Spool	1
4	185 609 M1	Retainer, Spool Spring	1
5	185 618 M1	Collar, Main Spool	1
6	196 108 M1	Ring, Snap, Collar Retaining	1
10	185 614 M1	Plug, Main Spool	1
11	832 271 M1	"O" Ring, Main Spool Plug	1
12	355 649 X1	Ring, Snap, Plug Retaining	1
13	832 271 M1	"O" Ring, Main Spool	1
14	192 874 M1	Plug, Shuttle Spool (See Inset "A")	1
14	185 610 M1	Plug, Shuttle Spool (See Inset "B")	1
15	359 247 X1	"O" Ring, Shuttle Spool Plug	1
16	363 514 X1	Ring, Snap, Shuttle Spool Plug (Used w/192 874 M1)	1
17	192 136 M2	Valve, Poppet	1
18	185 607 M2	Spring, Valve Poppet	1
19	186 440 M91	Valve Assembly, Switch	1
24	831 497 M1	"O" Ring, Plug Body	1
25	185 608 M2	Restrictor, Oil Flow	1
30	185 811 M91	Handle Assembly, Valve Control	1
31	185 619 M1	Clevis, Handle Body	1
32	185 689 M1	Shaft, Control Handle	1
33	185 604 M1	Spring, Handle Detent	1
34	831 872 M1	Ball, Handle Detent	1
35	353 431 X1	Nut, Shaft Lock	1
36	669 554 M1	Detent, Locking	1
37	185 641 M1	Guide, Detent	1
38	185 643 M1	Spring, Detent Locking	1
39	360 085 X1	Screw, Guide and Spring	2
40	185 642 M2	Knob, Handle	1
41	185 818 M1	Cover, Front	1
42	356 922 X1	Pin, Handle to Cover (3/8 x 3/4" Roll)	1
43	357 852 X1	Screw, Cover to Body (5/16 x 3/4" NC, Sckt. Hd.)	3
44	831 257 M1	Washer (5/16" Lock, Special)	3
45	22 668 X	Pin, Handle to Main Spool (1/4 x 3/4" Roll)	1
46	835 087 M91	Plug Assembly, Body	1
47	831 452 M1	"O" Ring, Plug	1
48	357 197 X91	Elbow Assembly (90°)	1
49	831 452 M1	"O" Ring, Elbow	1
50	357 195 X1	Nut, Lock, Elbow	1
51	357 860 X1	Screw, Body (5/16 x 1-3/4" Sckt. Hd.)	4
52	356 579 X1	Cap, Elbow	1

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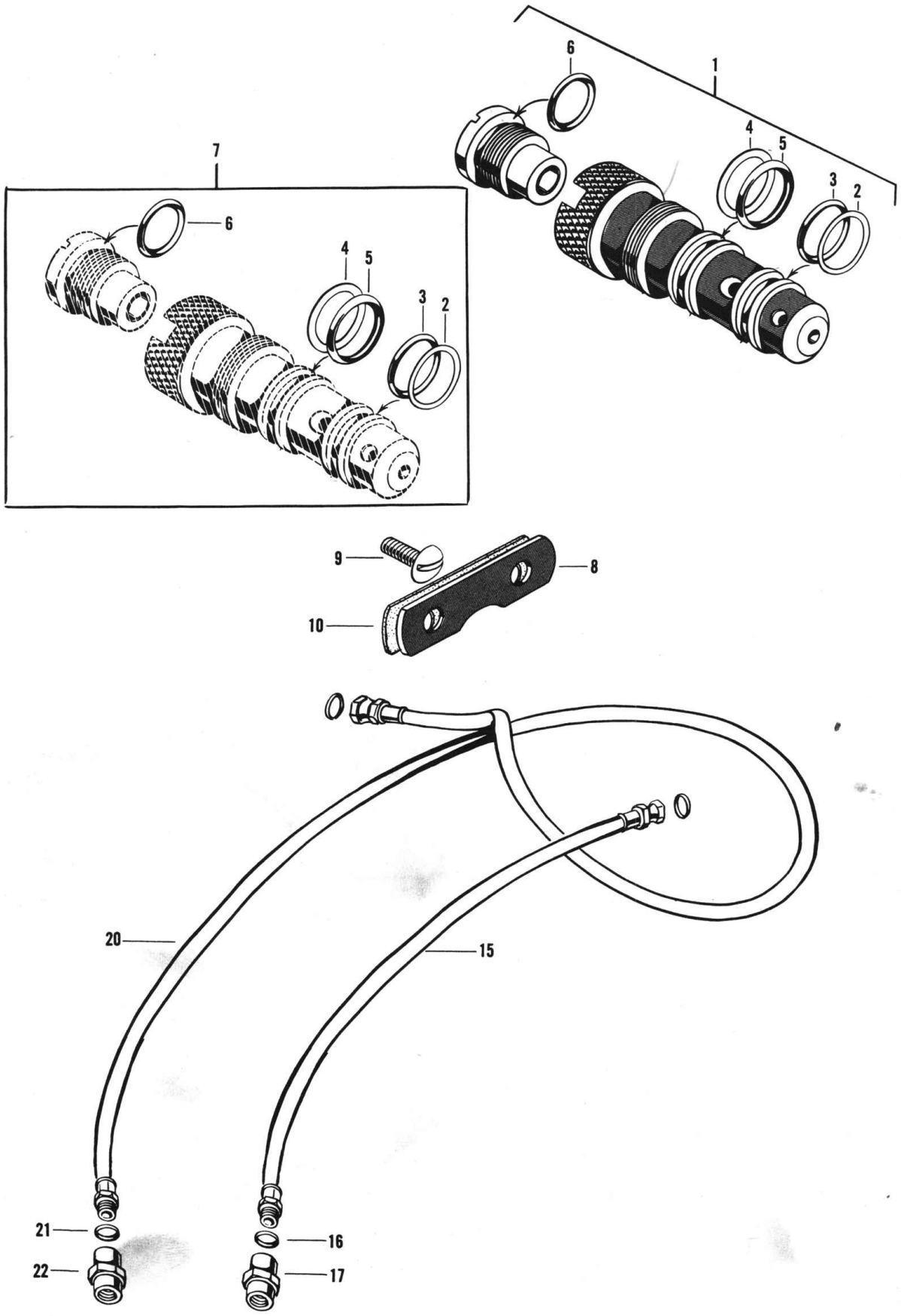

LOCKOUT CARTRIDGE

(677 412)

Ref. No.	Part No.	Description	No. Req.
1	506 994 M91	Cartridge Assembly, Lockout	1
2 (A)	1 028 528 M1	Washer, "O" Ring Back-up, Inner	1
3 (A)	364 105 X1	"O" Ring, Inner (11/16" ID x 1/16")	1
4 (A)	1 028 449 M1	Washer, "O" Ring Back-up, Outer	1
5 (A)	196 174 M1	"O" Ring, Outer (3/4" ID x 1/16")	1
6 (A)	831 497 M1	"O" Ring, Spring Retaining Plug (41/64" ID x 3/32")	1
7	835 886 M91	Kit, "O" Ring and Back-up Washer (Incl. all Items Marked "A")	1
8	506 995 M1	Plate, Retaining	1
9	357 443 X1	Screw (#10 x 3/8" Fill. Hd.)	2
10	508 575 M1	Shim (.010") Plastic	x

36" HOSE EXTENSION

(677 444)

15	833 487 M91	Hose Assembly (36" Long)	1
16	831 497 M1	"O" Ring (41/64" ID x 3/32")	2
17	507 605 M1	Connector, Hose to Hose	1

96" HOSE EXTENSION

(677 446)

20	833 513 M91	Hose Assembly (96" Long)	1
21	831 497 M1	"O" Ring (41/64" ID x 3/32")	2
22	507 605 M1	Connector, Hose to Hose	1

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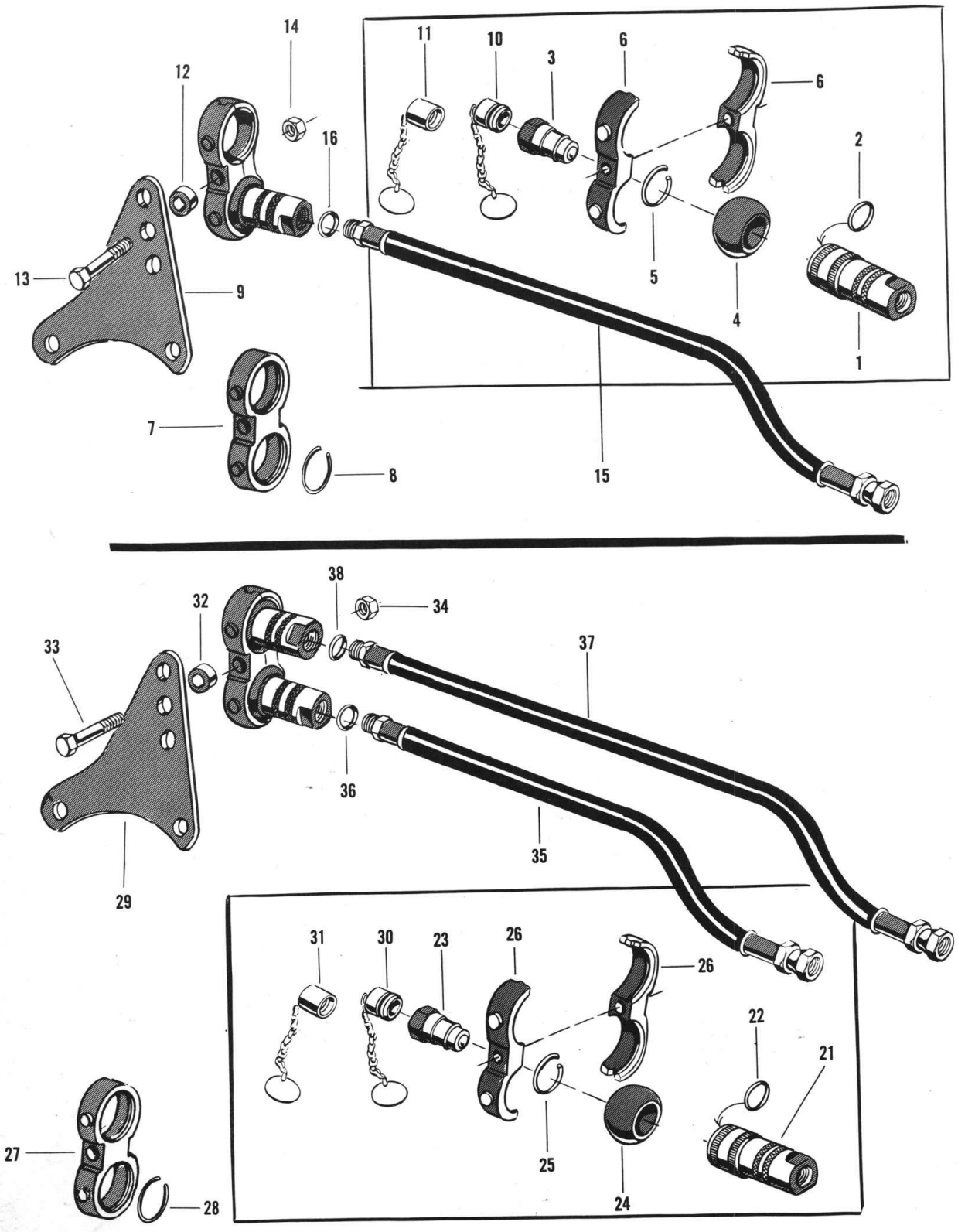
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COUPLER AND HOSE, SINGLE

(677 419)

Ref. No.	Part No.	Description	No. Req.
1	1 026 699 M92	Coupling Assembly, Female Half	1
2	359 297 X1	"O" Ring (13/16" ID x 1/8")	1
3	1 026 700 M91	Coupling Assembly, Male Half	1
4	1 754 500 M1	Ring, Coupling	1
5	1 754 501 M1	Ring, Snap	1
6	1 754 502 M1	Frame, Coupling Mounting	2
7	508 206 M1	Frame, Coupling Mounting (Order 2 of 1 754 502 M1)	1
8	364 555 X1	Ring, Snap (Used w/508 206 M1)	1
9	185 972 M2	Bracket, Coupler	1
10	185 879 M91	Plug Assembly, Dust, Male	1
11	186 218 M91	Cap Assembly, Dust, Female	1
12	67 285 M1	Spacer (15/32 x 3/4 x 3/8")	1
13	353 712 X1	Bolt (7/16 x 2-3/4" NC, Hex.)	1
14	355 645 X1	Nut (7/16" NC, Hex.)	1
15	833 465 M91	Hose Assembly (22" Long)	1
16	831 497 M1	"O" Ring (41/64" ID x 3/32")	1

COUPLER AND HOSE, DOUBLE

(677 420)

21	1 026 699 M92	Coupling Assembly, Female Half	2
22	359 297 X1	"O" Ring (13/16" ID x 1/8")	1
23	1 026 700 M91	Coupling Assembly, Male Half	2
24	1 754 500 M1	Ring, Coupling	2
25	1 754 501 M1	Ring, Snap	2
26	1 754 502 M1	Frame, Coupling Mounting	2
27	508 206 M1	Frame, Coupling Mounting (Order 2 of 1 754 502 M1)	1
28	364 555 X1	Ring, Snap (Used w/508 206 M1)	1
29	185 972 M2	Bracket, Coupler	1
30	185 879 M91	Plug Assembly, Dust, Male	2
31	186 218 M91	Cap Assembly, Dust, Female	2
32	67 285 M1	Spacer (15/32 x 3/4 x 3/8")	1
33	353 712 X1	Bolt (7/16 x 2-3/4" NC, Hex.)	1
34	355 645 X1	Nut (7/16" NC, Hex.)	1
35	833 465 M91	Hose Assembly (22" Long)	1
36	831 497 M1	"O" Ring (41/64" ID x 3/32")	1
37	833 467 M91	Hose Assembly (24" Long)	1
38	831 497 M1	"O" Ring (41/64" ID x 3/32")	1

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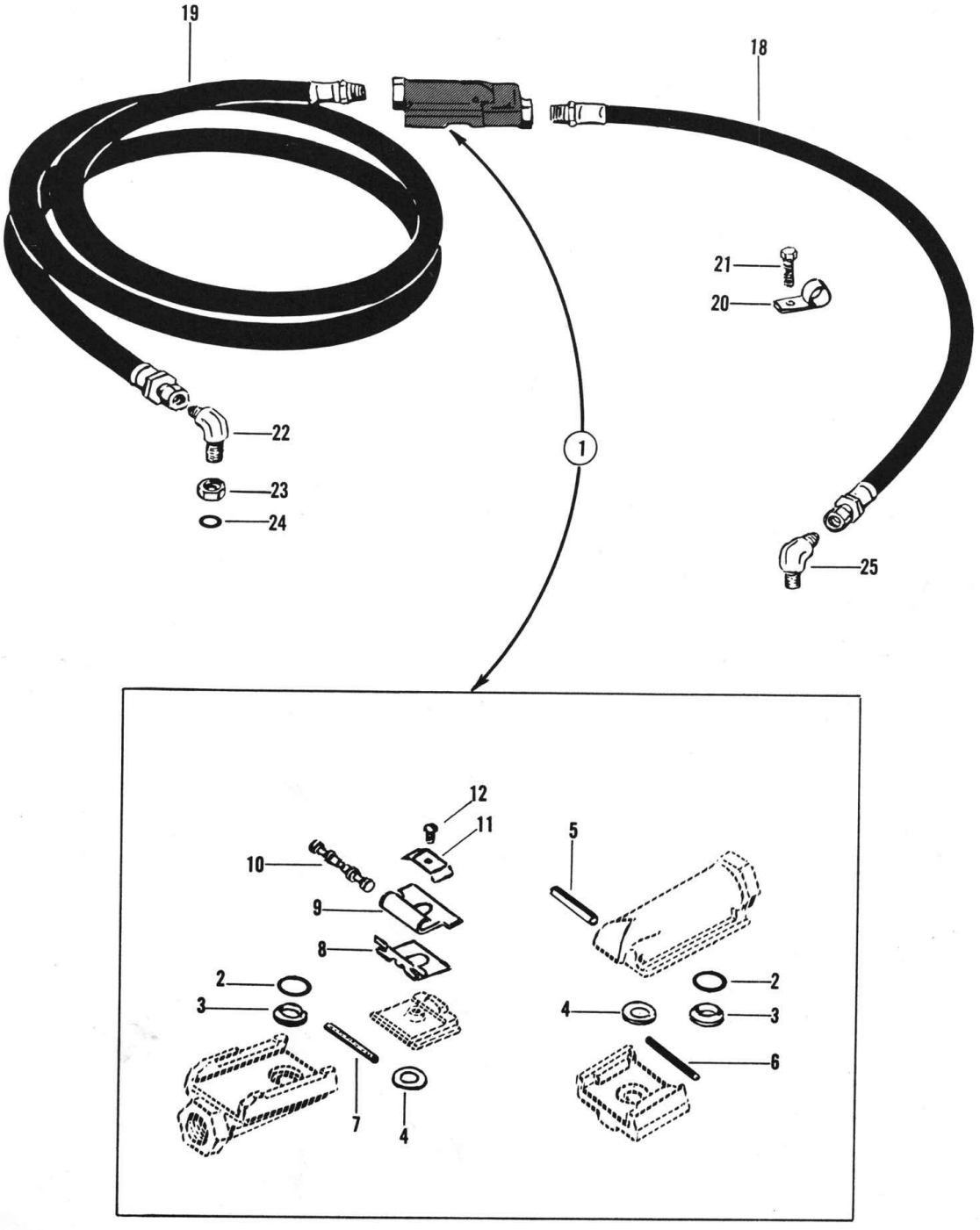
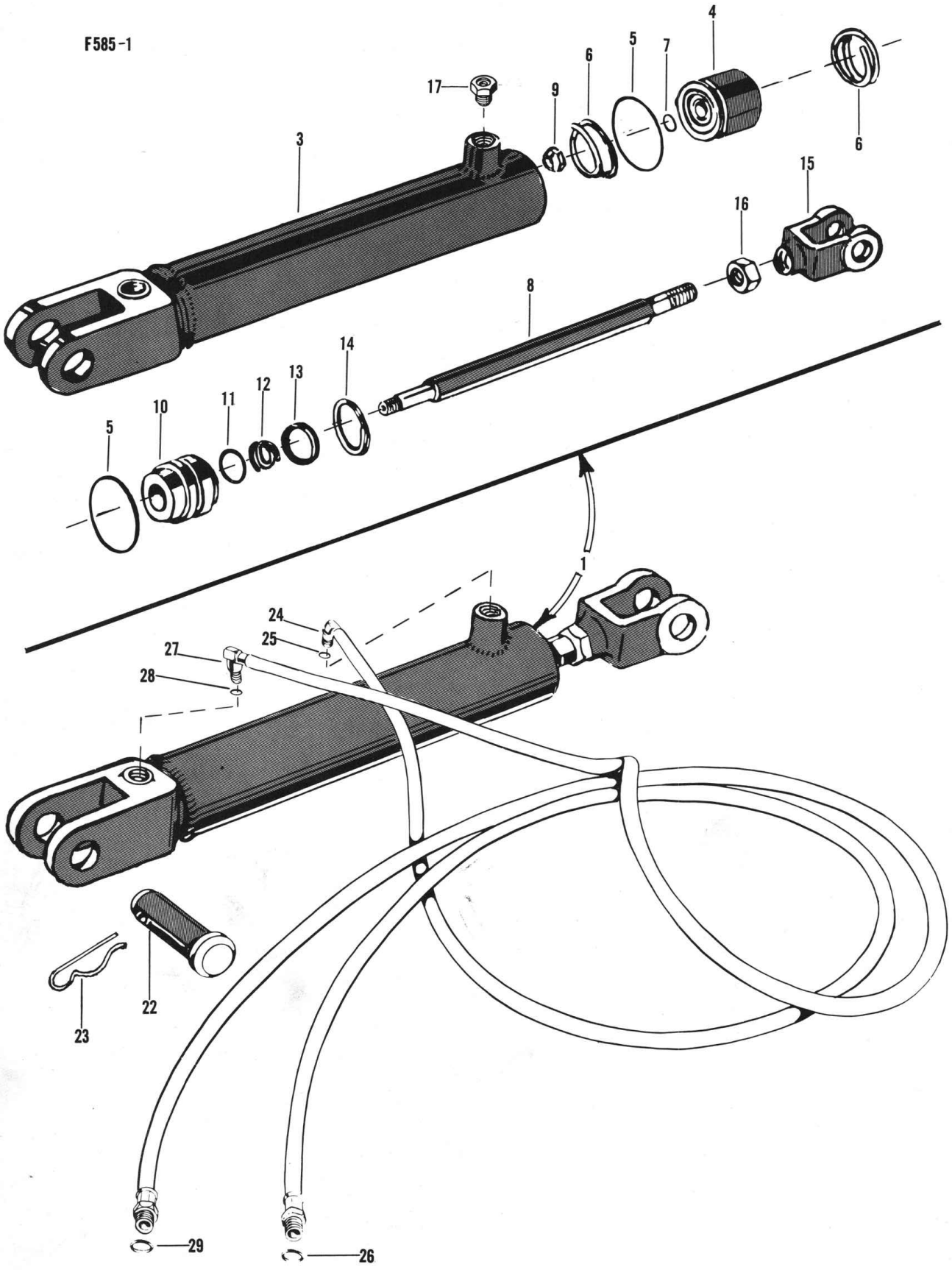


HYDRAULIC CYLINDER, COUPLING AND HOSES

(677 163)

Ref. No.	Part No.	Description	No. Req.
	668 997 M92	Cylinder Assembly, Single Acting (See Page 345)	1
1	669 058 M91	Coupling Assembly, Breakaway	1
2	1 753 503 M1	"O" Ring	2
3	1 753 509 M1	Seal	2
4	1 753 510 M1	Seal, Wafer	2
5	1 753 506 M1	Pin, Stop	1
6	1 753 504 M1	Wiper (Synthetic)	1
7	1 753 505 M1	Wiper (Felt)	1
8	1 753 500 M1	Spring, Latch	1
9	1 753 508 M1	Lock, Latch Spring	1
10	1 753 507 M1	Latch	1
11	1-753 501 M1	Clamp	1
12	1 753 502 M1	Screw, Clamp	1
18	669 060 M91	Hose Assembly (40" Long)	1
19	669 059 M91	Hose Assembly (92" Long)	1
20	669 026 M1	Clamp, Hose	1
21	353 540 X1	Bolt, Clamp (3/8 x 1-1/4" NF, Hex.)	1
22	357 197 X91	Elbow Assembly (90°)	1
23	357 195 X1	Nut, Elbow (9/16" NF, Half Hex.)	1
24	831 452 M1	"O" Ring	1
25	356 360 X1	Elbow (90°)	1
	354 195 X1	Pin, Hydraulic Cylinder (1 x 2-5/8" Clevis)	1
	354 070 X1	Cotter Pin (5/32 x 1-1/2")	1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HYDRAULIC CYLINDER (2 x 8" NON-ADJUSTABLE)

(677 256, SINGLE ACTING AND 677 257, DOUBLE ACTING)

Ref. No.	Part No.	Description	No. Req. Single	Double
1	668 997 M92	Cylinder Assembly, Single Acting	1	-
1	187 040 M91	Cylinder Assembly, Double Acting	-	1
3	686 671 M91	Tube Assembly, Cylinder	1	1
4	668 996 M1	Piston, Cylinder	1	1
5	851 147 M1	"O" Ring, Piston and Head, Outer	2	2
6	831 454 M1	Washer, "O" Ring Back-up	2	2
7	831 585 M1	"O" Ring, Piston, Inner	1	1
8	686 675 M1	Rod, Piston	1	1
9	357 561 X1	Nut, Piston Retaining	1	1
10	686 678 M1	Head, Cylinder	1	1
11	196 027 M1	"O" Ring, Head, Inner	1	1
12	195 919 M1	Washer, "O" Ring Back-up	1	1
13	831 451 M1	Seal, Oil, Cylinder Head	1	1
14	357 191 X1	Ring, Cylinder Head Retaining	1	1
15	686 677 M2	Clevis, Piston Rod	1	1
16	353 436 X1	Nut, Clevis (3/4" NF, Half Hex.)	1	1
17	669 045 M92	Breather Assembly	1	-
22	354 195 X1	Pin, Hydraulic Cylinder Retaining	2	2
23	195 708 M1	Pin, Hair	2	2
24	185 871 M91	Hose Assembly (118" Long)	1	1
25	831 452 M1	"O" Ring (at Elbow) (15/32 x 5/8 x 5/64")	1	1
26	831 497 M1	"O" Ring (at Coupling) (21/32 x 13/16 x 5/64")	1	1
27	185 869 M91	Hose Assembly (128" Long)	-	1
28	831 452 M1	"O" Ring (at Elbow) (15/32 x 5/8 x 5/64")	-	1
29	831 497 M1	"O" Ring (at Coupling) (21/32 x 13/16 x 5/64")	-	1

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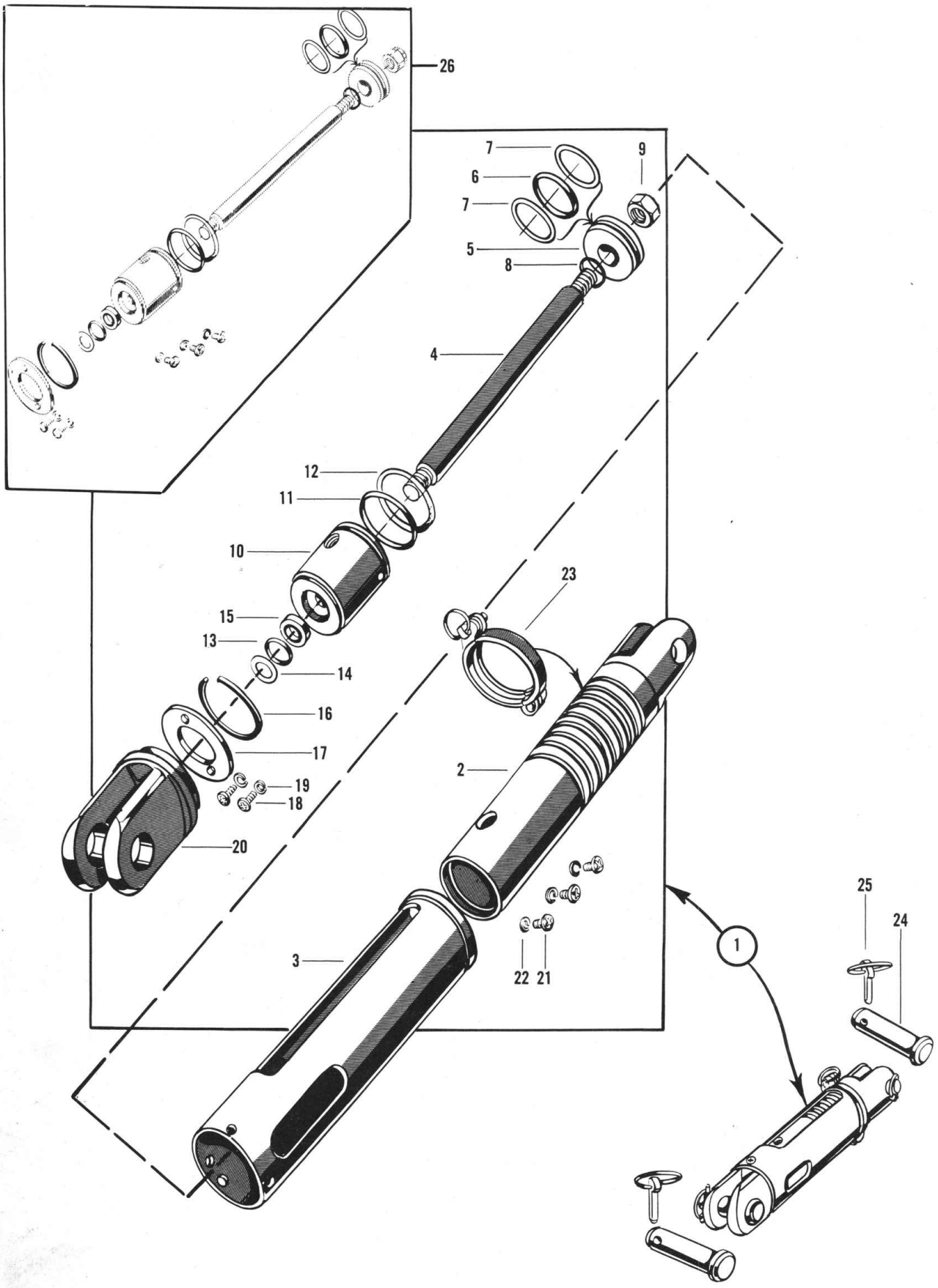

PULL BEHIND CYLINDER (2-1/2 x 8")

(677 334)

Ref. No.		Part No.	Description	No. Req.
1		185 933 M93	Cylinder Assembly	1
2		1 754 949 M91	Barrel Assembly, Cylinder	1
3		1 021 940 M91	Sleeve Assembly, Barrel	1
4		1 754 951 M1	Rod, Piston	1
5		1 754 955 M1	Piston, Cylinder	1
6	(A)	835 126 M1	"O" Ring, Piston, Outer (2-1/8" ID x 3/16")	1
7	(A)	1 024 946 M1	Washer, "O" Ring Back-up (2-1/8" ID x 3/16")	2
8	(A)	851 145 M1	"O" Ring, Piston, Inner (1" ID x 1/8")	1
9		1 509 432 M1	Nut, Piston Retaining (3/4" NF, Half Hex.)	1
10		1 754 953 M1	Bearing, Cylinder	1
11	(A)	835 130 M1	"O" Ring, Bearing, Outer (2-1/4" ID x 1/8")	1
12	(A)	1 881 527 M1	Washer, "O" Ring Back-up (2-1/2" ID x 1/8")	1
13	(A)	851 145 M1	"O" Ring, Bearing, Inner (1" ID x 1/8")	1
14	(A)	1 024 945 M1	Washer, "O" Ring Back-up (1" ID x 1/8")	1
15	(A)	835 061 M1	Seal, Oil, Bearing, Inner	1
16	(A)	1 752 141 M1	Ring, Snap, Bearing Retaining	1
17		1 752 166 M1	Plate, Bearing Cover	1
18	(A)	353 981 X1	Screw, Plate (#10 - 24 x 1-1/2" Rd. Hd.)	2
19	(A)	353 445 X1	Washer (#10 Lock)	2
20		1 754 952 M1	Yoke, Cylinder	1
21	(A)	353 988 X1	Screw, Sleeve (1/4 x 1/2" NC, Rd. Hd.)	3
22	(A)	353 441 X1	Washer (1/4" Lock)	3
23		1 024 583 M91	Stop Assembly, Cylinder	1
24		185 973 M1	Pin, Clevis	2
25		1 752 532 M91	Linch Pin Assembly	2
26		835 676 M92	Repair Kit, Cylinder (Incl. all Items marked "A")	1

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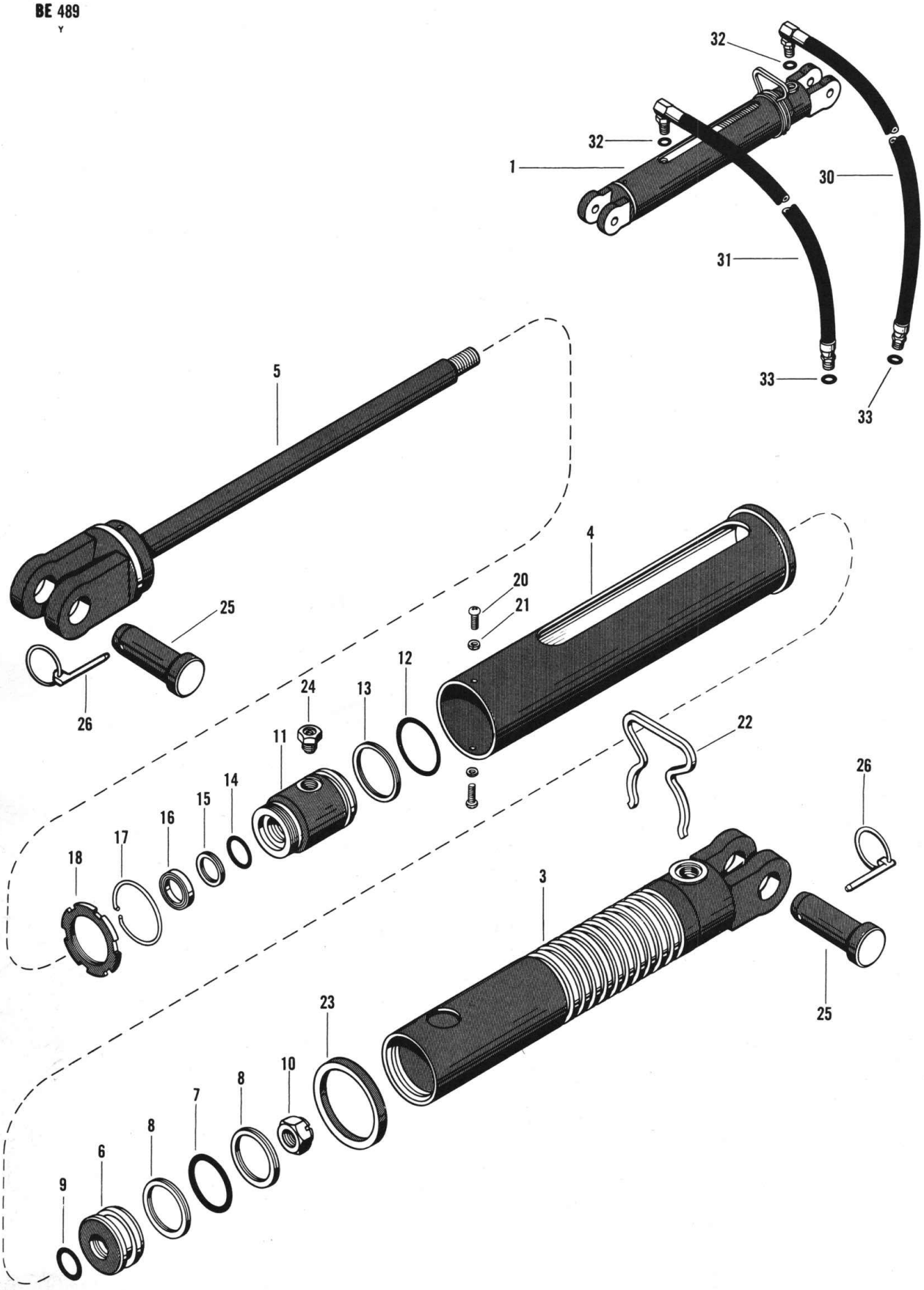
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PULL BEHIND CYLINDERS (2 x 8")

(677 333 and 677 335)

Ref. No.	Part No.	Description	No. Req. Single	Double
1		Cylinder Assembly, Single Acting (Order 677 335).....	1	-
1		Cylinder Assembly, Double Acting (Order 677 333).....	-	1
3	1 022 963 M91	Barrel Assembly.....	1	1
4	1 022 969 M91	Sleeve Assembly.....	1	1
5	1 022 965 M91	Rod Assembly, Piston.....	1	1
6	1 022 964 M1	Piston, Hydraulic Cylinder.....	1	1
7 (A)	359 310 X1	"O" Ring, Piston, Outer (1-5/8" ID x 3/16").....	1	1
8 (A)	1 025 730 M1	Washer, Back-up (1-5/8" ID x 3/16").....	2	2
9 (A)	196 027 M1	"O" Ring, Piston, Inner (7/8" ID x 1/8").....	1	1
10	195 262 M1	Nut, Piston to Rod (5/8" NF).....	1	1
11	1 022 968 M1	Bearing, Cylinder.....	1	1
12 (A)	1 503 904 M1	"O" Ring, Bearing, Outer (1-3/4" ID x 1/8").....	1	1
13 (A)	1 023 049 M1	Washer, Back-up (1-3/4" ID x 1/8").....	1	1
14 (A)	196 027 M1	"O" Ring, Bearing, Inner (7/8" ID x 1/8").....	1	1
15 (A)	1 025 729 M1	Washer, Back-up (7/8" ID x 1/8").....	1	1
16 (A)	833 118 M1	Seal, Oil Piston Rod.....	1	1
17 (A)	1 023 050 M1	Ring, Snap, Bearing Retaining.....	1	1
18	1 023 051 M1	Nut, Bearing Lock.....	1	1
20 (A)	353 989 X1	Screw, Sleeve (1/4 x 5/8" NC, Rd. Hd.).....	2	2
21 (A)	353 441 X1	Washer (1/4" Lock).....	2	2
22	1 022 971 M1	Stop, Cylinder.....	1	1
23	1 022 970 M1	Ring, Cylinder Stop.....	1	1
24	669 045 M92	Breather Assembly.....	1	-
25	190 053 M1	Pin, Clevis.....	2	2
26	1 752 532 M91	Linch Pin Assembly.....	2	2
	835 728 M91	Repair Kit, Cylinder (Incl. all Items marked "A").....	x	x

HYDRAULIC HOSES

(677 336)

30		Hose Assembly (105" Long) (Order 677 338)(Incl. Items 32 and 33).....	-	1
31	193 539 M91	Hose Assembly (114" Long).....	-	1
32	831 452 M1	"O" Ring (15/32" ID x 5/64").....	-	1
33	831 497 M1	"O" Ring (41/64" ID x 3/32").....	-	1

HYDRAULIC HOSES

(677 337)

30		Hose Assembly (129" Long) (Order 677 339) (Incl. Items 32 and 33).....	-	1
31	193 541 M91	Hose Assembly (138" Long).....	-	1
32	831 452 M1	"O" Ring (15/32" ID x 5/64").....	-	1
33	831 497 M1	"O" Ring (41/64" ID x 3/32").....	-	1

HYDRAULIC HOSE

(677 338)

30		Hose Assembly (105" Long) (Order 677 338).....	1	-
32	831 452 M1	"O" Ring (15/32" ID x 5/64").....	1	-
33	831 497 M1	"O" Ring (41/64" ID x 3/32").....	1	-

HYDRAULIC HOSE

(677 339)

30		Hose Assembly (129" Long) (Order 677 339).....	1	-
32	831 452 M1	"O" Ring (15/32" ID x 5/64").....	1	-
33	831 497 M1	"O" Ring (41/64" ID x 3/32").....	1	-

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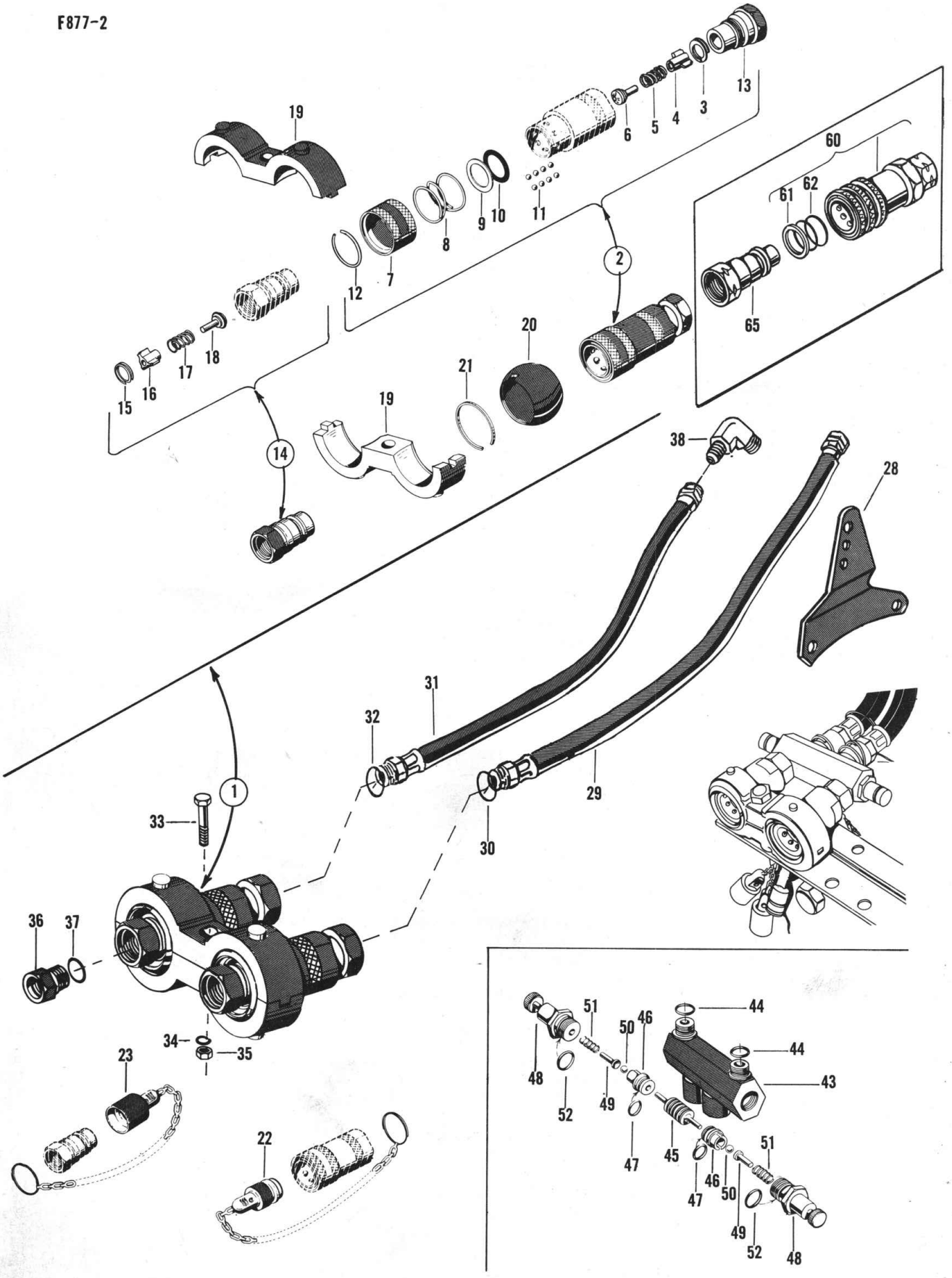
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BREAKAWAY COUPLINGS AND HOSE

(677 283, SINGLE AND 677 282, DOUBLE)

Ref. No.	Part No.	Description	No. Req. Single	Double
1	189 620 M91	Coupling Assembly, Single	1	-
1	189 619 M91	Coupling Assembly, Double	-	1
2	1 019 282 M91	Coupling Assembly, Female Half (Order 1 026 346 M91, See Item 60)	1	2
3	1 754 792 M1	Ring, Body Retaining	1	1
4	1 754 793 M1	Guide, Poppet	1	1
5	1 754 794 M1	Spring, Poppet	1	1
6	1 754 795 M91	Valve Assembly, Poppet	1	1
7	1 754 796 M1	Sleeve, Ball Release	1	1
8	1 754 797 M1	Spring, Valve	1	1
9	1 754 833 M1	Washer, "O" Ring Back-up	1	1
10	195 632 M1	"O" Ring	1	1
11	361 023 X1	Ball, Sleeve	8	8
12	1 754 799 M1	Ring, Snap, Ball Retaining	1	1
13	1 022 204 M91	Adapter Assembly	1	1
14	1 754 800 M91	Coupling Assembly, Male Half (Order 1 026 347 M91, See Item 65)	1	2
15	1 754 792 M1	Ring, Body Retaining	1	1
16	1 754 793 M1	Guide, Poppet	1	1
17	1 754 794 M1	Spring, Poppet	1	1
18	1 754 795 M91	Valve Assembly, Poppet	1	1
19	1 754 502 M1	Frame, Coupling	2	2
20	1 754 500 M1	Sleeve, Coupling	1	2
21	1 754 501 M1	Ring, Snap, Sleeve Retaining	1	2
22	185 879 M91	Plug Assembly (Male)	1	2
23	186 218 M91	Cap Assembly (Female)	1	2
28	185 972 M2	Bracket, Coupling Mounting	1	1
29	185 999 M91	Hose Assembly (28" Long)	-	1
30	831 497 M1	"O" Ring	-	1
31	186 001 M91	Hose Assembly (23-1/2" Long)	1	1
32	831 497 M1	"O" Ring	1	1
33	353 575 X1	Bolt, Coupling (7/16 x 3" NF, Hex.)	1	1
34	353 432 X1	Washer (7/16" Lock)	1	1
35	353 426 X1	Nut (7/16" NF, Hex.)	1	1
36	832 408 M91	Adapter Assembly (for Hose w/1/2" Pipe Thread)	1	2
37	831 497 M1	"O" Ring	1	1
36	832 410 M91	Adapter Assembly (for Hose w/3/8" Pipe Thread)	1	2
37	831 497 M1	"O" Ring	1	1
38	356 360 X1	Elbow, Hose to Valve	1	-

LOCK VALVE

(677 318)

43	192 751 M91	Body Assembly, Lock Valve	-	1
44	831 497 M1	"O" Ring, Body	-	2
45	192 755 M1	Spool, Lock Valve	-	1
46	192 759 M1	Seat, Spool	-	2
47	363 547 X1	Ring, Sealing	-	2
48	192 757 M91	Valve Assembly, Pressure Release	-	2
49	192 760 M1	Guide, Relief Ball	-	2
50	354 465 X1	Ball, Relief	-	2
51	192 761 M1	Spring, Relief Ball	-	2
52	363 886 X1	Ring, Sealing	-	2

COUPLINGS (REPAIRS ONLY)

60 (A)	1 026 346 M91	Coupling Assembly, Female	1	2
61	1 026 528 M1	Washer, Back-up	1	1
62	195 632 M1	"O" Ring	2	2
65 (B)	1 026 347 M91	Coupling Assembly, Male	1	2

BREAKAWAY COUPLING AND HOSE (DOUBLE)

(677 313)

	189 619 M91	Coupling Assembly, Double (See Item 1 for Breakdown)	-	1
	669 895 M91	Hose Assembly (96") w/Plug	-	2
	833 513 M91	Hose Assembly (96")	-	1
	831 497 M1	"O" Ring	-	2
	185 879 M91	Plug Assembly, Dust	-	1

BREAKAWAY COUPLING AND HOSE (SINGLE)

(677 314)

	189 620 M91	Coupling Assembly, Single(See Item 1 for Breakdown)	1	-
	669 895 M91	Hose Assembly (96") w/Plug	1	-
	833 513 M91	Hose Assembly (96")	1	-
	831 497 M1	"O" Ring	1	-
	185 879 M91	Plug Assembly, Dust	1	-

Notes: (A) - Coupling 1 026 346 M91 used to Repair 1 019 282 M91.
(B) - Coupling 1 026 347 M91 used to Repair 1 754 800 M91.

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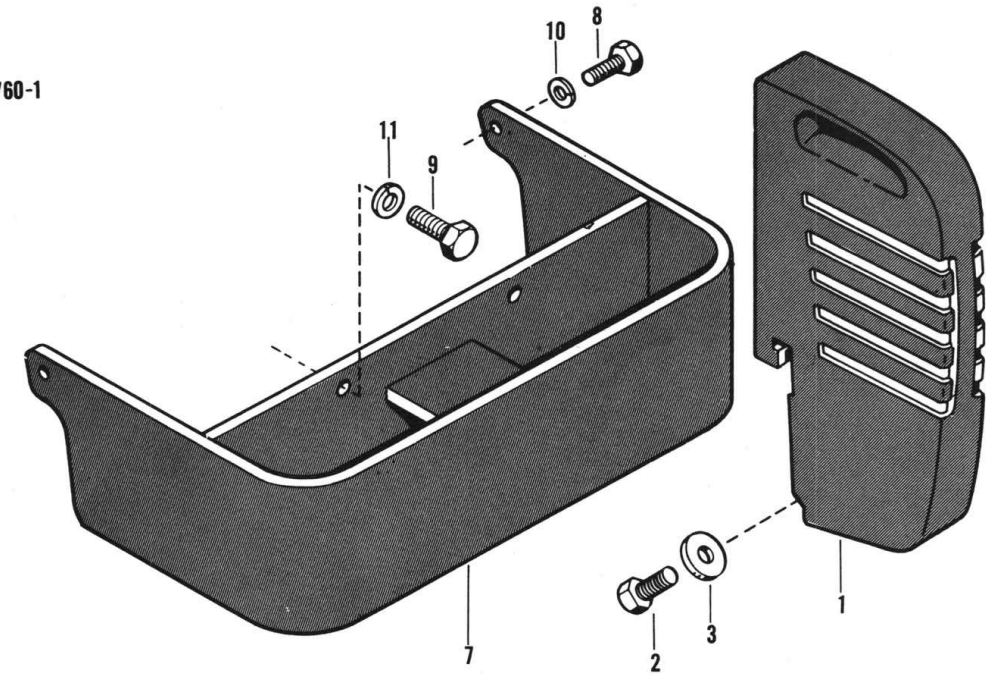
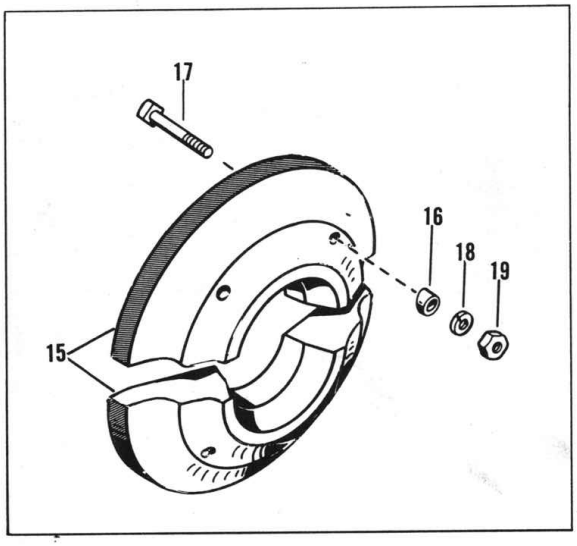
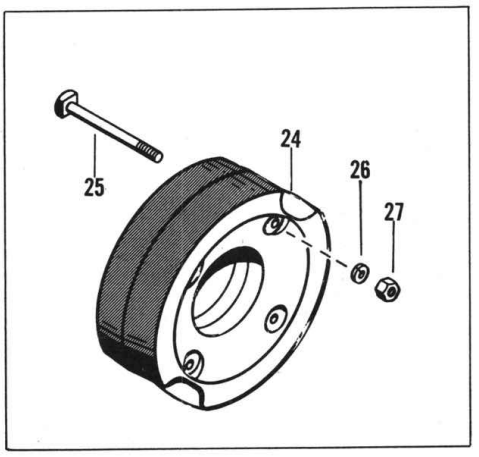
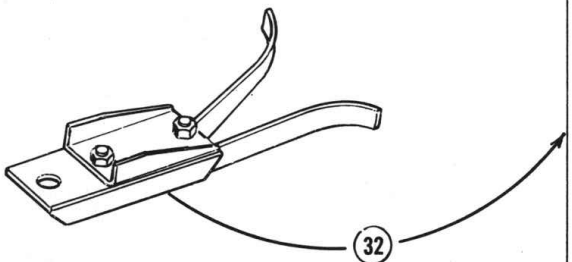
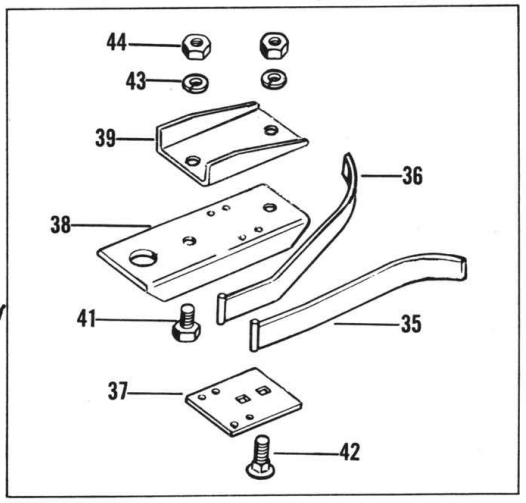










FRONT WEIGHT

(677 200)

Ref. No.	Part No.	Description	No. Req.
1		Weight (62 Lbs.) (Order 677 200)	1
2	353 901 X1	Bolt, Weight Attaching (5/8 x 1-1/4" NC, Hex.)	1
3	831 985 M1	Washer (5/8" Flat)	1

FRONT WEIGHT FRAME

(677 199)

7		Frame, Front Weight (Order 677 199)	1
8	353 701 X1	Bolt, Frame Side (7/16 x 1-3/8" NC, Hex.)	2
9	354 282 X1	Bolt, Frame Front (5/8 x 1-5/8" NC, Hex.)	2
10	353 432 X1	Washer (7/16" Lock)	2
11	353 433 X1	Washer (5/8" Lock)	2

FRONT WHEEL WEIGHTS

(677 218)

15		Weight, Front Wheel, Inner (Order 677 218)	4
16	180 775 M1	Washer, Wedge Type	8
17	195 683 M1	Bolt (1/2 x 4-1/8" NF, Sq. Hd.)	8
18	353 439 X1	Washer (1/2" Lock)	8
19	353 437 X1	Nut (1/2" NF, Hex.)	8

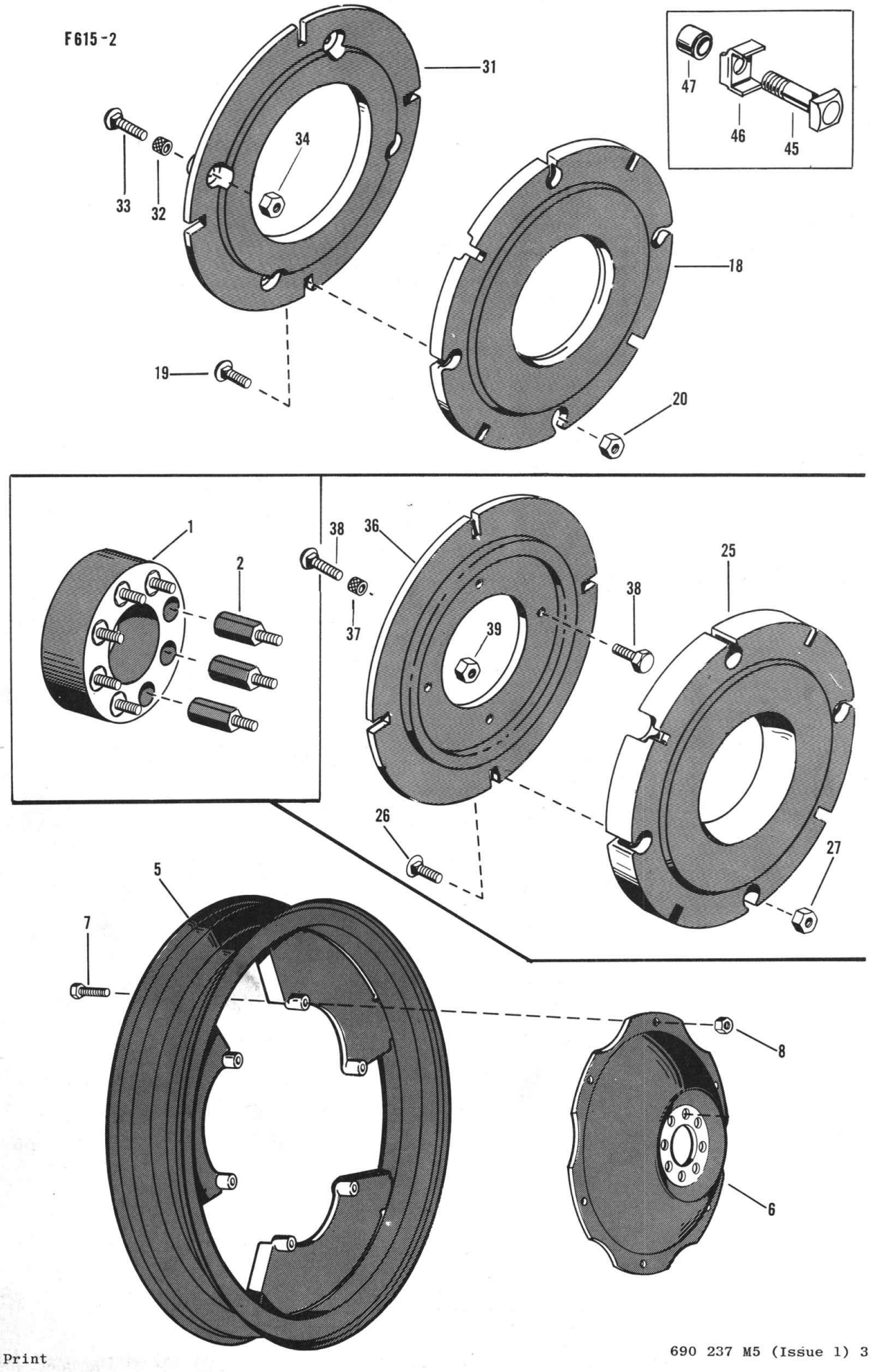
(677 315)

24		Weight, Front Wheel, Outer (Order 677 315)	2
25	191 672 M1	Bolt, Weight (1/2 x 6-3/4" NF, Sq. Hd.)	8
26	353 439 X1	Washer (1/2" Lock)	8
27	353 437 X1	Nut (1/2" NF, Hex.)	8

FRONT WHEEL SCRAPER

(677 228)

32		Scraper Assembly, Front Wheel (Order 677 228)	1
35	185 587 M91	Scraper Assembly, Left	1
36	185 588 M91	Scraper Assembly, Right	1
37	185 592 M1	Plate, Lower	1
38	185 727 M1	Plate, Upper	1
39	185 728 M1	Stop, Scraper	1
	831 939 M1	Nut, Scraper Plate Mounting (1-1/4" NF, Sltd. Hex.)	1
41	353 610 X1	Bolt (5/8 x 1-3/8" NF, Hex.)	1
42	353 871 X1	Bolt (5/8 x 3-1/8" NF, Carr.)	1
43	353 433 X1	Washer (5/8" Lock)	2
44	353 427 X1	Nut (5/8" NF, Hex.)	2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DUAL REAR WHEEL SPACER

(677 175)

Ref. No.	Part No.	Description	No. Req.
1		Spacer, Wheel (Order 677 175)	2
2	184 876 M1	Nut, Spacer (5/8" NF, Special)	16

RIM AND ADAPTER (HI-CLR.)

(677 189)

5	184 761 M91	Rim Assembly, w/Adapters (for 9 x 42 Tires)	2
6	193 701 M1	Disc, Wheel Center (for use w/184 761 M91)	2
7	353 937 X1	Bolt, Disc to Rim Adapter (5/8 x 2-3/4" NC, Hex.)	12
8	375 099 X1	Nut (5/8" NC, Hex.)	12

REAR WHEEL WEIGHTS

(677 206)

18		Weight (for 28" or 38" P.A.V.T. Wheels) (75 Lbs.)(Order 677 206)	2
19	831 774 M1	Bolt, Weight (5/8 x 1-7/16" NF, Carr.)	8
20	353 429 X1	Nut (5/8" NC, Hex.)	8

(677 229)

25		Weight (for 24 Regular Wheels and 11 x 28" or 14 x 30" P.A.V.T.) (80 Lbs.) (Order 677 229)	2
26	354 222 X1	Bolt, Weight (5/8 x 1-3/8" NC, Carr.)	8
27	353 429 X1	Nut (5/8" NF, Half Hex.)	8

REAR WHEEL WEIGHT ADAPTERS

(677 208)

31		Plate, Adapter (used w/677 206) (For 38" P.A.V.T., Wide and Narrow Tread) (Order 677 208)	2
32	185 276 M1	Nut (3/4" NF, Special)	8
33	354 881 X1	Bolt (3/4 x 2-3/8" NF, Carr.)	8
34	353 436 X1	Nut (3/4" NF, Half Hex.)	8

(677 209)

31		Plate, Adapter (Used w/677 206) (for 28" P.A.V.T., Wide Tread) (Order 677 209)	2
32	185 276 M1	Nut (3/4" NF, Special)	8
33	354 881 X1	Bolt (3/4 x 2-3/8" NF, Carr.)	8
34	353 436 X1	Nut (3/4" NF, Half Hex.)	8

(677 210)

31		Plate, Adapter (Used w/677 206) (For 28" P.A.V.T., Narrow Tread) (Order 677 210)	2
32	185 276 M1	Nut (3/4" NF, Special)	8
33	354 881 X1	Bolt (3/4 x 2-3/8" NF, Carr.)	8
34	353 436 X1	Nut (3/4" NF, Half Hex.)	8

(677 230)

36		Plate, Adapter (Used w/677 229) (For 28" Regular Wheels) (Order 677 230)	2
38	353 610 X1	Bolt (5/8 x 1-3/8" NC, Hex.)	8

(677 354)

36		Plate, Adapter (Used w/677 229) (For 11 x 28" or 14 x 30" P.A.V.T.) (Order 677 354)	2
37	185 276 M1	Nut (3/4" NF, Special)	8
38	354 885 X1	Bolt (3/4 x 3" NF, Carr.)	8
39	353 436 X1	Nut (3/4" NF, Half Hex.)	8

ADJUSTMENT BOLT (SEE NOTE "A")

(677 317)

45	364 585 X1	Bolt, Ramp Type Clamp (3/4 x 3-1/4" NC, Sq. Hd.)	8
46	192 048 M1	Retainer, Bolt	8
47	192 058 M1	Spacer, Bolt	8

Note: (A) - For use on Lo-Clr. Tractor with 1 751 395 M92 or 1 755 010 M91, Rim with 15 x 30" or 13 x 28" Tire when equipped with 677 206 Weight.

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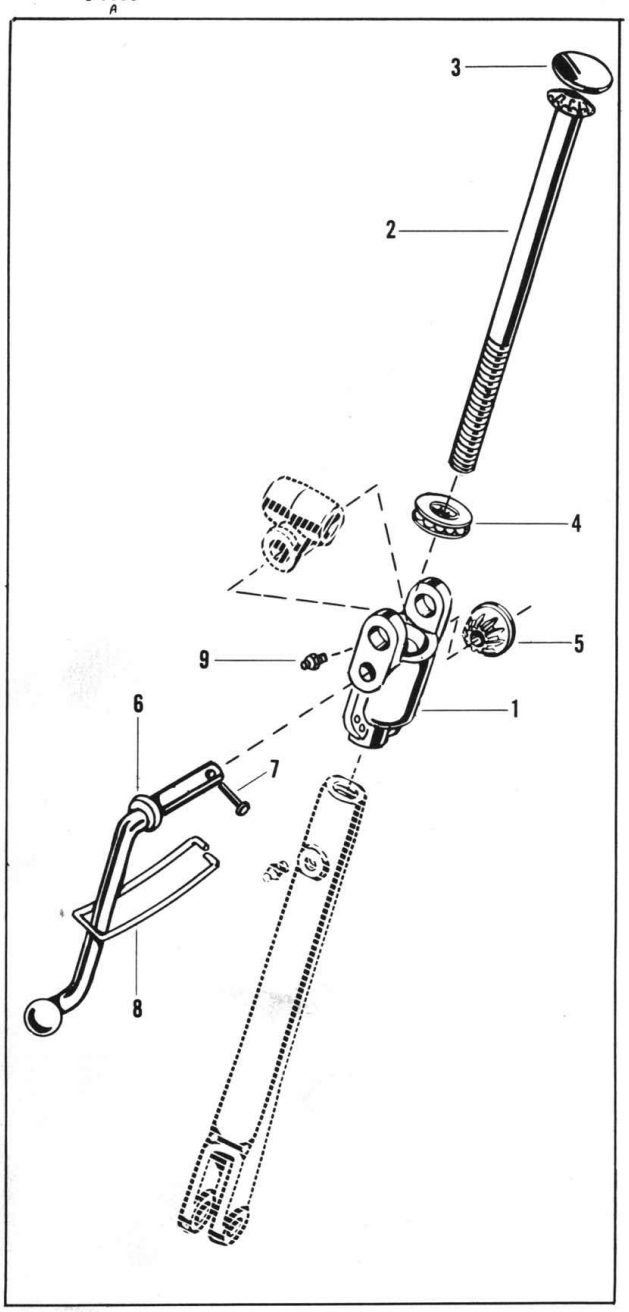

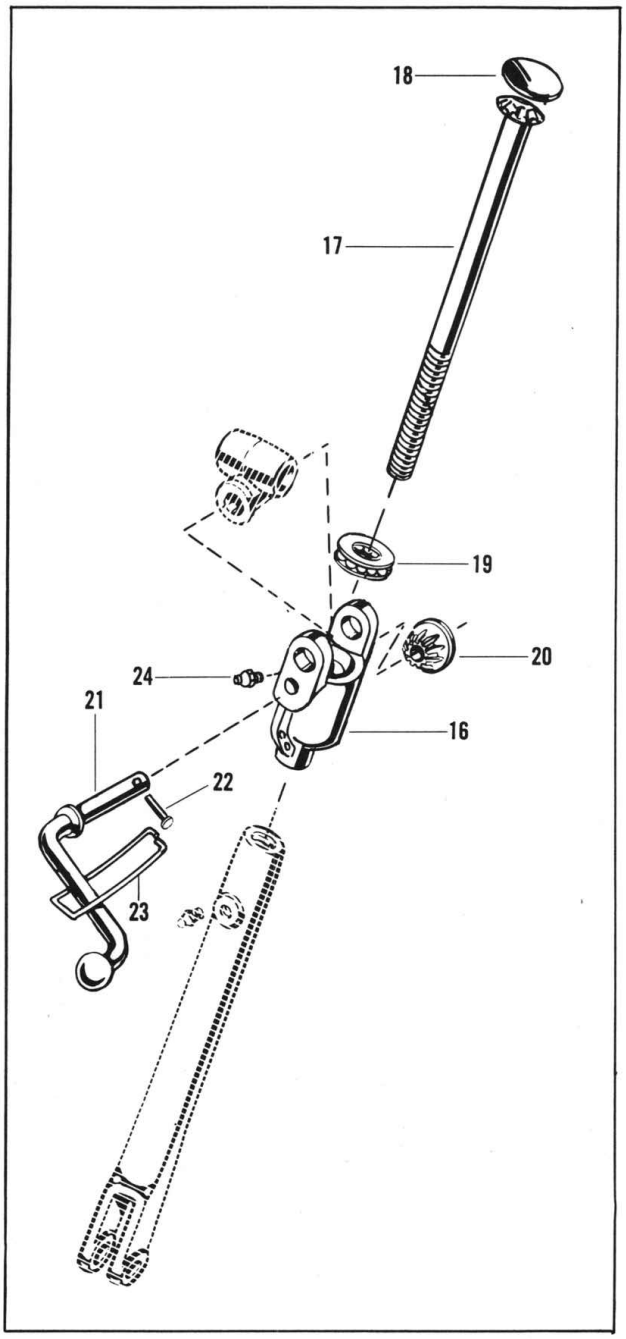

LEFT LEVELING BOX (LO-CLR.)

(677 405)

Ref. No.	Part No.	Description	No. Req.
1	193 181 M1	Box, Leveling	1
2	897 680 M1	Shaft (12-9/32" Long w/5" Thread Length)	1
3	11 475 X	Plug (1-3/4" Expansion)	1
4	195 457 M1	Bearing, Shaft	1
5	181 345 M1	Gear, Leveling	1
6	193 066 M1	Lever, Leveling	1
7	195 648 M1	Rivet, Lever to Gear	1
8	193 092 M1	Ring, Lever Locking	1
9	13 811 X	Grease Fitting (1/4" - 28 Str.)	1

LEFT LEVELING BOX (HI-CLR.)

(677 402)

1	193 181 M1	Box, Leveling	1
2	897 681 M1	Shaft (14-5/8" Long w/5" Thread Length)	1
3	11 475 X	Plug (1-3/4" Expansion)	1
4	195 457 M1	Bearing, Shaft	1
5	181 345 M1	Gear, Leveling	1
6	193 066 M1	Lever, Leveling	1
7	195 648 M1	Rivet, Lever to Gear	1
8	193 092 M1	Ring, Lever Locking	1
9	13 811 X	Grease Fitting (1/4" - 28 Str.)	1

LEFT LEVELING BOX (LO-CLR.)

(677 170)

16	193 181 M1	Box, Leveling	1
17	184 354 M1	Shaft (12-5/16" Long w/4-7/8" Thread Length)	1
18	11 475 X	Plug (1-3/4" Expansion)	1
19	195 457 M1	Bearing, Shaft	1
20	181 345 M1	Gear, Leveling	1
21	193 066 M1	Lever, Leveling	1
22	195 648 M1	Rivet, Lever to Gear	1
23	193 092 M1	Ring, Lever Locking	1
24	13 811 X	Grease Fitting (1/4" - 28 Str.)	1

LEFT LEVELING BOX (HI-CLR.)

(677 171)

16	193 181 M1	Box, Leveling	1
17	184 353 M1	Shaft (14-1/2" Long w/4-7/8" Thread Length)	1
18	11 475 X	Plug (1-3/4" Expansion)	1
19	195 457 M1	Bearing, Shaft	1
20	181 345 M1	Gear, Leveling	1
21	193 066 M1	Lever, Leveling	1
22	195 648 M1	Rivet, Lever to Gear	1
23	193 092 M1	Ring, Lever Locking	1
24	13 811 X	Grease Fitting (1/4" - 28 Str.)	1

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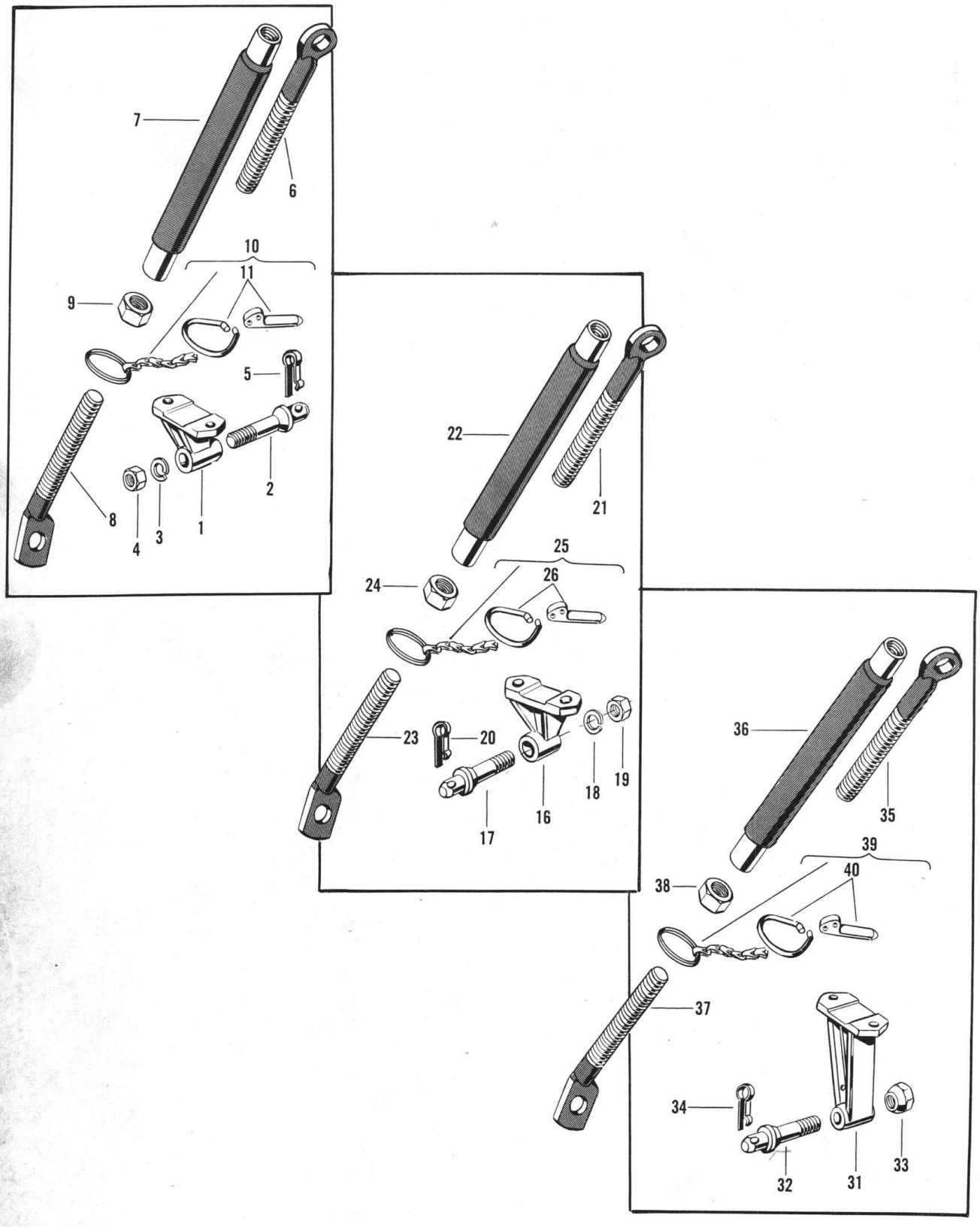
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RIGHT STABILIZER (STANDARD)

(677 415)

Ref. No.	Part No.	Description	No. Req.
1	506 800 M1	Bracket, Anchor (Right)	1
2	506 807 M1	Pin, Anchor	1
3	353 440 X1	Washer, Anchor Pin (3/4" Lock)	1
4	353 435 X1	Nut, Anchor Pin (3/4" NF, Hex.)	1
5	364 208 X1	Pin, Clinch, Anchor Pin	1
6	506 799 M1	Link, Stabilizer (Tractor End)	1
7	193 205 M1	Link, Stabilizer (Center)	1
8	193 204 M1	Link, Stabilizer (Drawbar End)	1
9	353 920 X1	Nut, Link Adjusting (7/8" NF,Hex.)	1
10	184 572 M91	Chain Assembly	1
11	196 280 M91	Linch Pin Assembly	1

LEFT STABILIZER (STANDARD)

(677 416)

16	506 801 M1	Bracket, Anchor (Left)	1
17	506 807 M1	Pin, Anchor	1
18	353 440 X1	Washer, Anchor Pin (3/4" Lock)	1
19	353 435 X1	Nut, Anchor Pin (3/4" NF, Hex.)	1
20	364 208 X1	Pin, Clinch, Anchor Pin	1
21	506 799 M1	Link, Stabilizer (Tractor End)	1
22	193 205 M1	Link, Stabilizer (Center)	1
23	193 204 M1	Link, Stabilizer (Drawbar End)	1
24	353 920 X1	Nut, Link Adjusting (7/8" NF, Hex.)	1
25	184 572 M91	Chain Assembly	1
26	196 280 M91	Linch Pin Assembly	1

STABILIZER (ROW CROP)

(677 417)

31	506 802 M1	Bracket, Anchor	1
32	506 807 M1	Pin, Anchor	1
33	186 809 M1	Nut (3/4" NF, Conical)	1
34	364 208 X1	Pin, Clinch, Anchor Pin	1
35	506 799 M1	Link, Stabilizer (Tractor End)	1
36	193 205 M1	Link, Stabilizer (Center)	1
37	193 204 M1	Link, Stabilizer (Drawbar End)	1
38	353 920 X1	Nut, Link Adjusting (7/8" NF, Hex.)	1
39	184 572 M91	Chain Assembly	1
40	196 280 M91	Linch Pin Assembly	1

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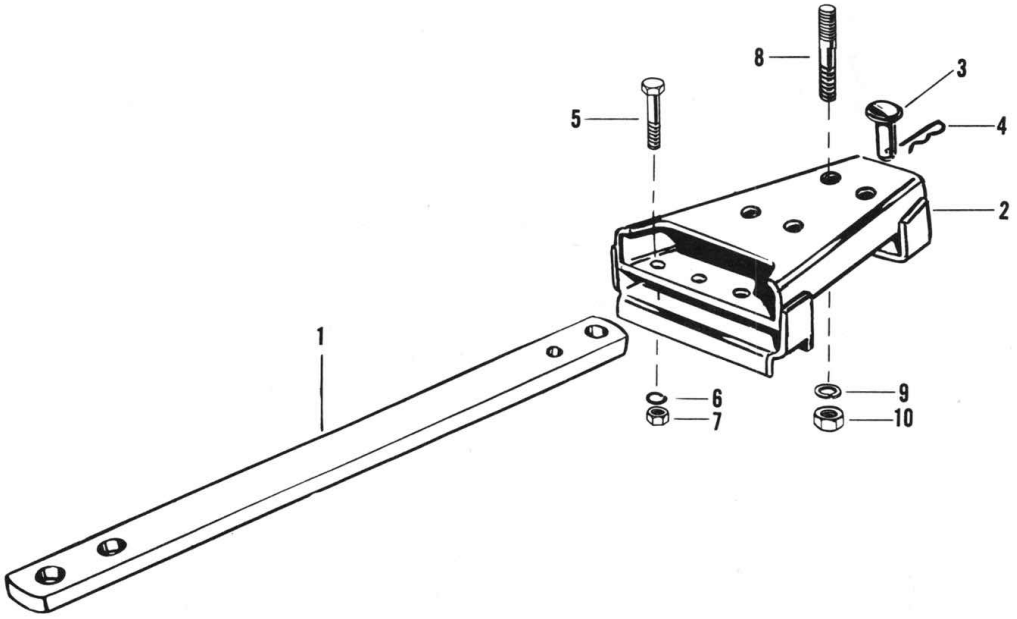

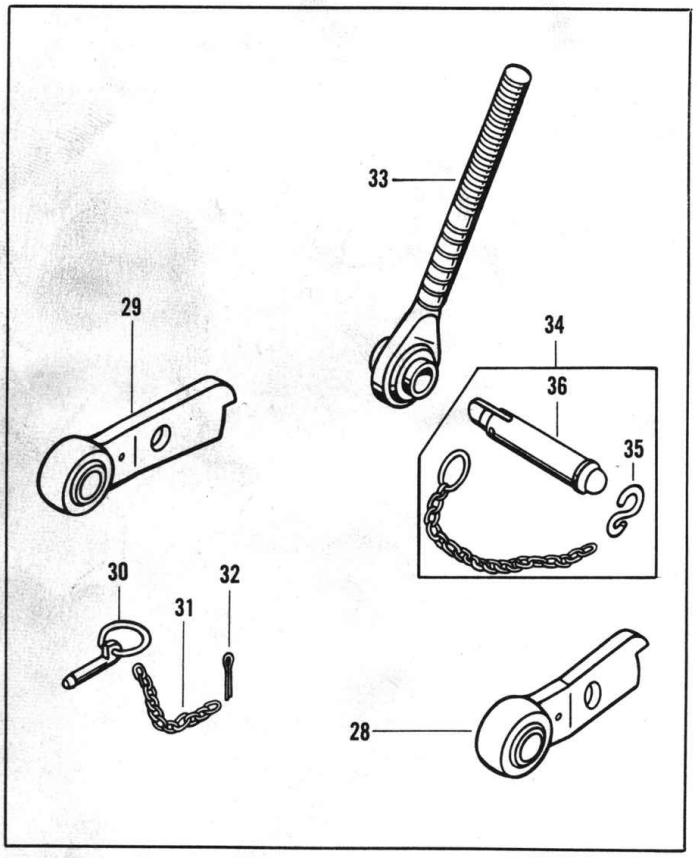

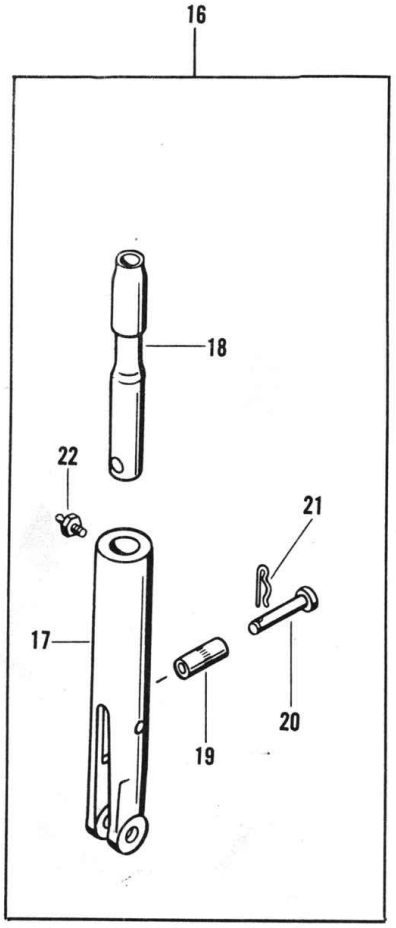

SWINGING DRAWBAR

(677 191)

Ref. No.	Part No.	Description	No. Req.
1	184 611 M1	Drawbar (Lo-Clr.)	1
2	184 607 M91	Support Assembly, Drawbar	1
3	184 630 M1	Pin, Drawbar Pivot	1
4	195 708 M1	Pin, Hair	1
5	353 710 X1	Bolt (7/16 x 2-1/2" NC, Hex.)	1
6	353 432 X1	Washer (7/16" Lock)	1
7	355 645 X1	Nut (7/16" NC, Hex.)	1
8	832 647 M1	Stud (5/8" NF x 2-9/16")	4
9	353 433 X1	Washer (5/8" Lock)	4
10	353 427 X1	Nut (5/8" NF, Hex.)	4

TELESCOPING LIFT LINK FORK

(677 247)

16		Fork Assembly, Telescoping (Order 677 247)	2
17	186 941 M1	Fork, Lift Link	1
18	186 938 M91	Tube Assembly, Lift Link	1
19	186 937 M1	Guide, Lift Link Tube	1
20	831 489 M1	Pin (7/16 x 2-3/64" Clevis)	1
21	195 414 M1	Pin, Internal Hair	1
22	13 811 X	Grease Fitting (1/4" - 28 Str.)	1

HITCH LINK ENDS (CATEGORY II)

(677 264)

28	184 461 M92	End Assembly, Lower Link, Right	1
29	184 462 M92	End Assembly, Lower Link, Left	1
30	196 280 M91	Pin Assembly, Linch	2
31	195 344 M1	Chain, Linch Pin Retaining	2
32	354 076 X1	Cotter Pin (3/16 x 1")	2
33	183 615 M93	End Assembly, Top Link	1
34	183 611 M92	Pin Assembly, Top Link	1
35	195 559 M1	Eye, Chain to Pin	1
36	185 873 M91	Pin Assembly	1

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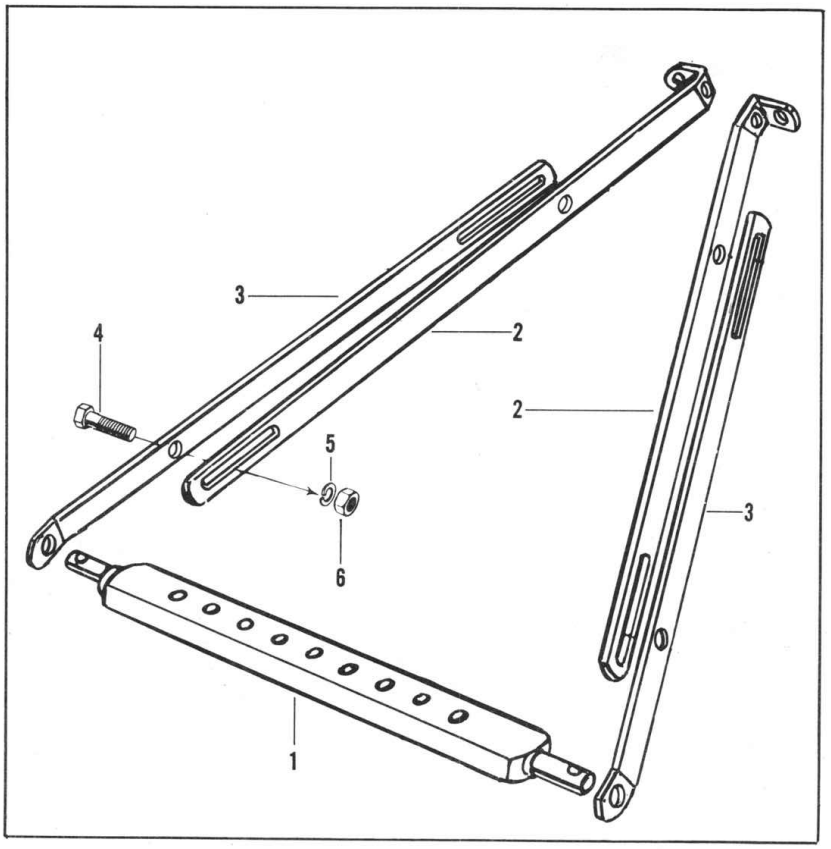

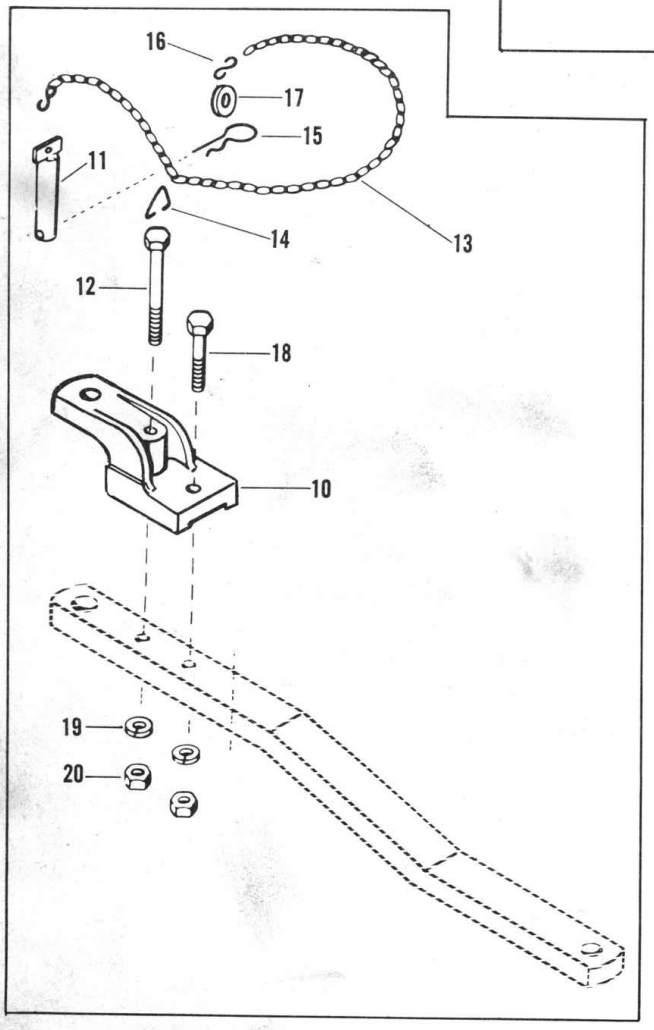

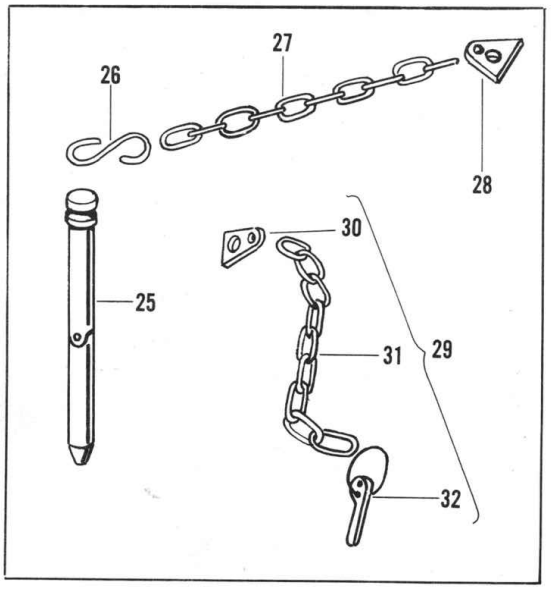

STRAIGHT DRAWBAR

(677 240)

Ref. No.	Part No.	Description	No. Req.
1		Drawbar, Straight (Order 677 240)	1

DRAWBAR STAY LINKS, LO-CLR.

(677 216)

2	185 509 M91	Stay Assembly, Upper (29-9/32" Long)	2
3	185 511 M1	Stay, Lower (30-9/16" Long)	2
4	353 563 X1	Bolt (7/16 x 1-1/2" NF, Hex.)	6
5	353 772 X1	Washer (7/16" Lock)	6
6	353 426 X1	Nut (7/16" NF, Hex.)	6

DRAWBAR STAY LINKS, HI-CLR.

(677 217)

2	185 579 M91	Stay Assembly, Upper (34-3/16" Long)	2
3	185 365 M1	Stay, Lower (33-15/16" Long)	2
4	353 563 X1	Bolt (7/16 x 1-1/2" NF, Hex.)	6
5	353 772 X1	Washer (7/16" Lock)	6
6	353 426 X1	Nut (7/16" NF, Hex.)	6

HAMMER STRAP

(680 337)

10	767 286 M1	Strap, Hammer	1
11	767 280 M91	Pin Assembly, Hammer Strap	1
12	767 281 M1	Bolt (5/8 x 5-1/2" NC, Hex., Special)	1
13	765 250 M1	Chain, Pin Retaining	1
14	765 516 M1	Link, Chain to Bolt	1
15	764 257 M1	Pin, Hair	1
16	763 662 M1	"S" Hook	1
17	353 758 X1	Washer (1/2" Small Flat)	1
18	354 292 X1	Bolt (5/8 x 3-1/2" NC, Hex.)	1
19	353 433 X1	Washer (5/8" Lock)	2
20	375 099 X1	Nut (5/8" NC, Hex.)	2

HITCH PIN

(677 272)

25	180 901 M91	Pin Assembly, Hitch	1
26	195 559 M1	Eye, Pin to Chain	1
27	195 340 M1	Chain (11 Links)	1
28	190 913 M2	Anchor, Chain	1
29	180 912 M92	Retainer Assembly	1
30	180 913 M2	Anchor, Chain	1
31	195 344 M1	Chain (8 Links)	1
32	196 280 M91	Pin Assembly, Linch	1

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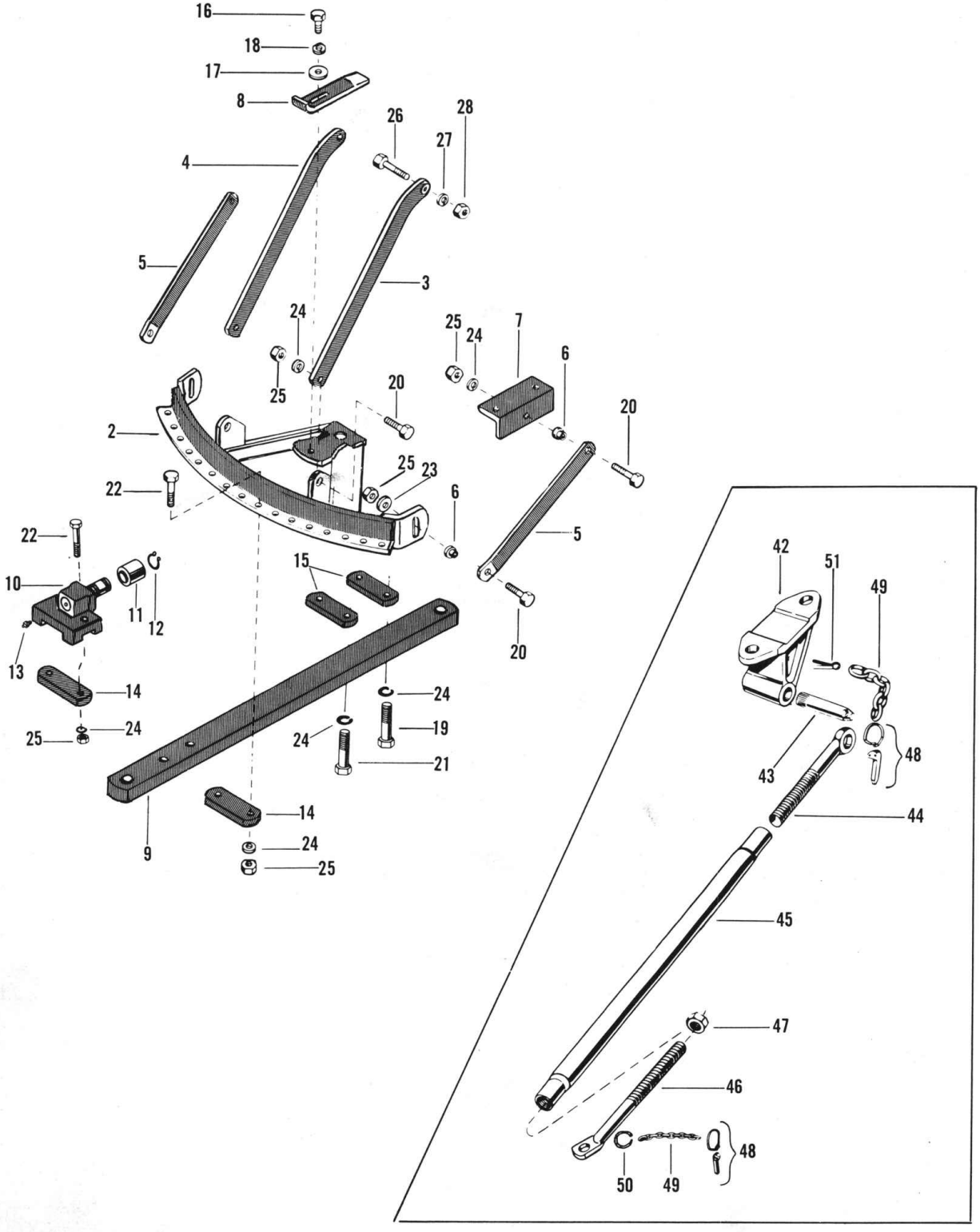
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ROLLER TYPE WIDE SWINGING DRAWBAR

(677 311)

Ref. No.	Part No.	Description	No. Req.
2	189 339 M91	Guide Assembly, Drawbar	1
3	190 622 M91	Strut Assembly, Outer Right	1
4	190 623 M91	Strut Assembly, Outer Left	1
5	189 332 M1	Strut, Inner	2
6	191 272 M1	Bushing, Strut	4
7	190 936 M1	Bracket, Inner Strut Anchor	2
8	189 331 M1	Slide, Locking	1
9	189 344 M1	Drawbar	1
10	193 604 M91	Bracket Assembly, Roller	1
11	193 593 M1	Roller, Drawbar (1 x 1-5/8 x 1-5/8")	1
12	195 859 M1	Ring, Snap, Roller Retaining	1
13	13 811 X	Grease Fitting (1/4" - 28 Str.)	1
14	361 368 X1	Strap, Roller Bracket and Drawbar	2
15	189 736 M1	Spacer, Drawbar	2
16	353 559 X1	Bolt (7/16 x 1" NF, Hex.)	1
17	353 772 X1	Washer (7/16" Large Flat)	1
18	353 432 X1	Washer (7/16" Lock)	1
19	354 283 X1	Bolt (5/8 x 1-7/8" NC, Hex.)	2
20	353 615 X1	Bolt (5/8 x 2" NF, Hex.)	6
21	354 284 X1	Bolt (5/8 x 2-1/8" NC, Hex.)	2
22	353 627 X1	Bolt (5/8 x 3-1/2" NF, Hex.)	4
23	353 774 X1	Washer (5/8" Large Flat)	2
24	353 433 X1	Washer (5/8" Lock)	12
25	353 427 X1	Nut (5/8" NF, Hex.)	10
26	354 568 X1	Bolt (3/4 x 2-1/2" NF, Hex.)	2
27	353 440 X1	Washer (3/4" Lock)	2
28	353 435 X1	Nut (3/4" NF, Hex.)	2

STABILIZER, RIGHT, LO-CLR.

(677 172)

42	184 617 M1	Bracket, Stabilizer	1
43	184 618 M2	Pin, Anchor	1
44	184 571 M1	Link, Stabilizer (Tractor End)	1
45	184 569 M1	Link, Stabilizer (Center)	1
46	184 570 M1	Link, Stabilizer (Lift Link End)	1
47	353 435 X1	Nut, Lock (3/4" NF, Hex.)	1
48	196 280 M91	Pin Assembly, Linch	2
49	195 339 M1	Chain (6 Links) (Order 195 344 M1)	2
50	182 977 M1	Ring, Lower Chain Retaining	1
51	354 089 X1	Cotter Pin, Upper Chain Retaining (1/4 x 1-1/4")	1

STABILIZER, LEFT, LO-CLR.

(677 173)

42	184 617 M1	Bracket, Stabilizer	1
43	184 618 M2	Pin, Anchor	1
44	184 571 M1	Link, Stabilizer (Tractor End)	1
45	184 569 M1	Link, Stabilizer (Center)	1
46	184 570 M1	Link, Stabilizer (Lift Link End)	1
47	353 435 X1	Nut, Lock (3/4" NF, Hex.)	1
48	196 280 M91	Pin Assembly, Linch	2
49	195 339 M1	Chain (6 Links) (Order 195 344 M1)	2
50	182 977 M1	Ring, Lower Chain Retaining	1
51	354 089 X1	Cotter Pin, Upper Chain Retaining (1/4 x 1-1/4")	1

STABILIZER, RIGHT, HI-CLR.

(677 187)

42	184 621 M1	Bracket, Stabilizer	1
43	184 618 M2	Pin, Anchor	1
44	184 571 M1	Link, Stabilizer (Tractor End)	1
45	184 569 M1	Link, Stabilizer (Center)	1
46	184 570 M1	Link, Stabilizer (Lift Link End)	1
47	353 435 X1	Nut, Lock (3/4" NF, Hex.)	1
48	196 280 M91	Pin Assembly, Linch	2
49	195 339 M1	Chain (6 Links) (Order 195 344 M1)	2
50	182 977 M1	Ring, Lower Chain Retaining	1
51	354 089 X1	Cotter Pin, Upper Chain Retaining (1/4 x 1-1/4")	1

STABILIZER, LEFT, HI-CLR.

(677 188)

42	184 621 M1	Bracket, Stabilizer	1
43	184 618 M2	Pin, Anchor	1
44	184 571 M1	Link, Stabilizer (Tractor End)	1
45	184 569 M1	Link, Stabilizer (Center)	1
46	184 570 M1	Link, Stabilizer (Lift Link End)	1
47	353 435 X1	Nut, Lock (3/4" NF, Hex.)	1
48	196 280 M91	Pin Assembly, Linch	2
49	195 339 M1	Chain (6 Links) (Order 195 344 M1)	2
50	182 977 M1	Ring, Lower Chain Retaining	1
51	354 089 X1	Cotter Pin, Upper Chain Retaining (1/4 x 1-1/4")	1

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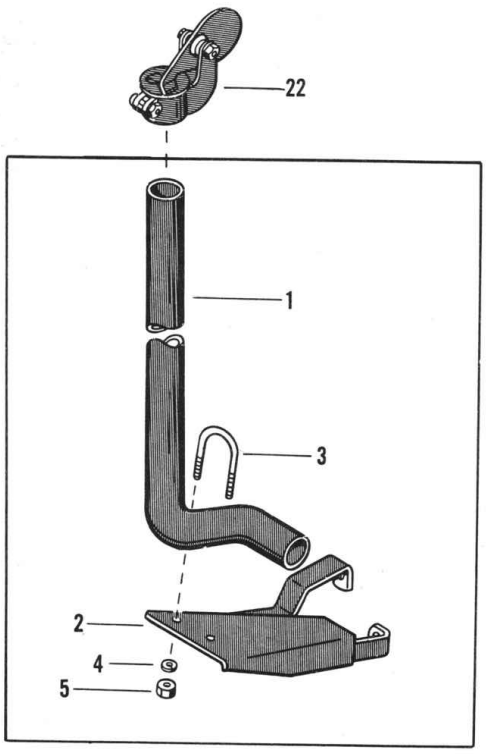
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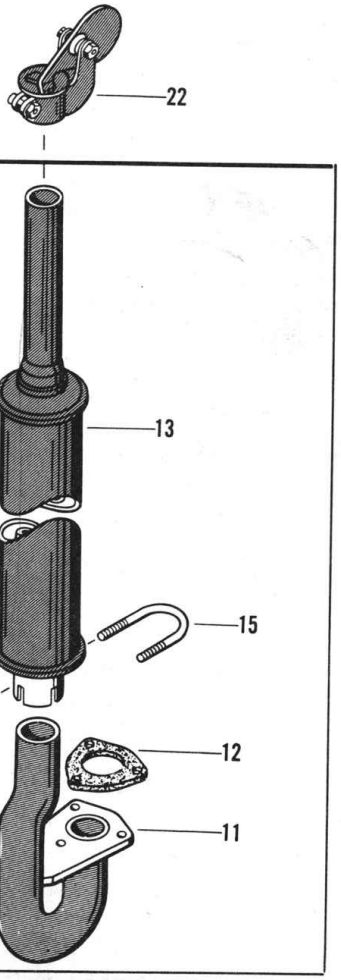
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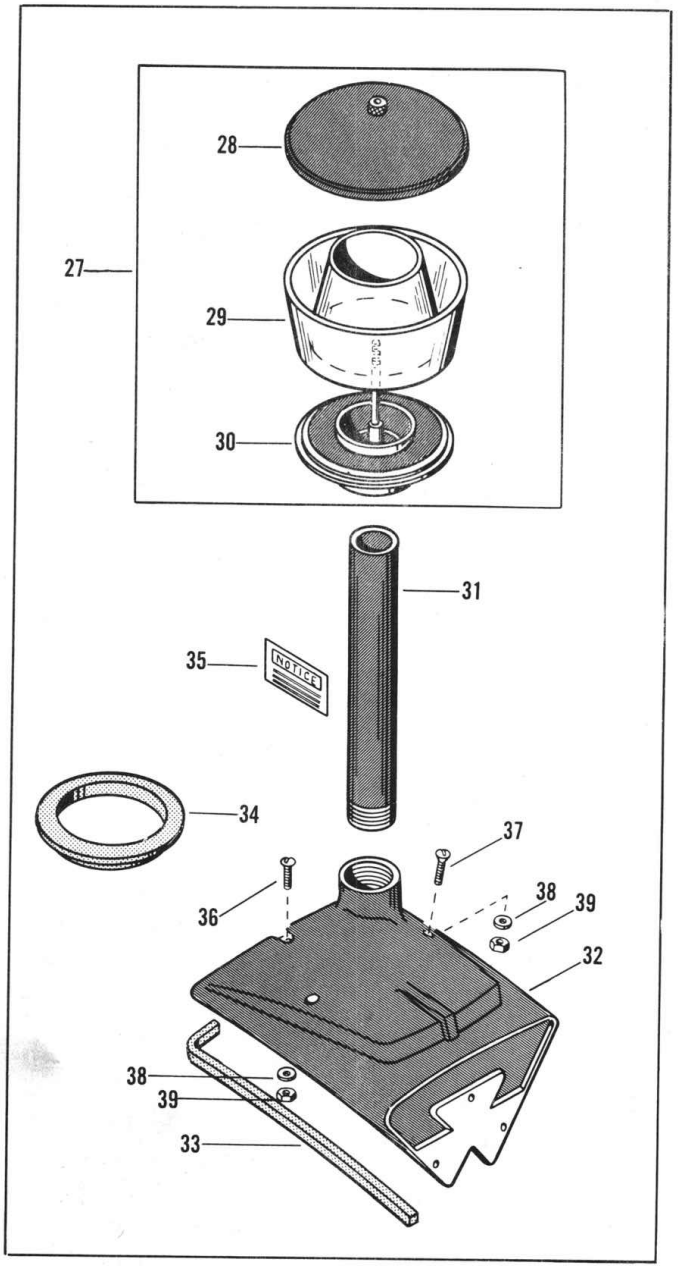
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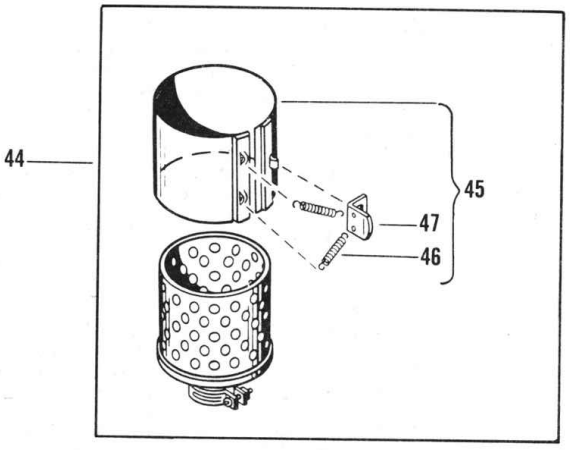
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VERTICAL EXHAUST (GAS & L.P.)

(677 231)

Ref. No.	Part No.	Description	No. Req.
1	184 824 M2	Pipe, Exhaust	1
2	185 103 M92	Bracket Assembly, Exhaust Pipe	1
3	184 827 M1	"U" Bolt, Exhaust Pipe to Bracket	1
4	353 446 X1	Washer (5/16" Lock)	2
5	355 565 X1	Nut (5/16" NC, Hex.)	2

VERTICAL EXHAUST (DIESEL)

(677 254)

11	187 185 M91	Elbow Assembly, Exhaust	1
12	827 877 M1	Gasket, Elbow to Manifold	1
13	187 184 M91	Muffler Assembly	1
14	187 217 M1	Clamp, Muffler	1
15	364 502 X1	"U" Bolt, Clamp	1
16	353 446 X1	Washer (5/16" Lock)	2
17	355 565 X1	Nut (5/16" NC, Hex.)	2

WEATHER CAP

(677 275)

22		Cap Assembly, Weather (Order 677 275)	1

PRE-CLEANER (SEE NOTE "A")

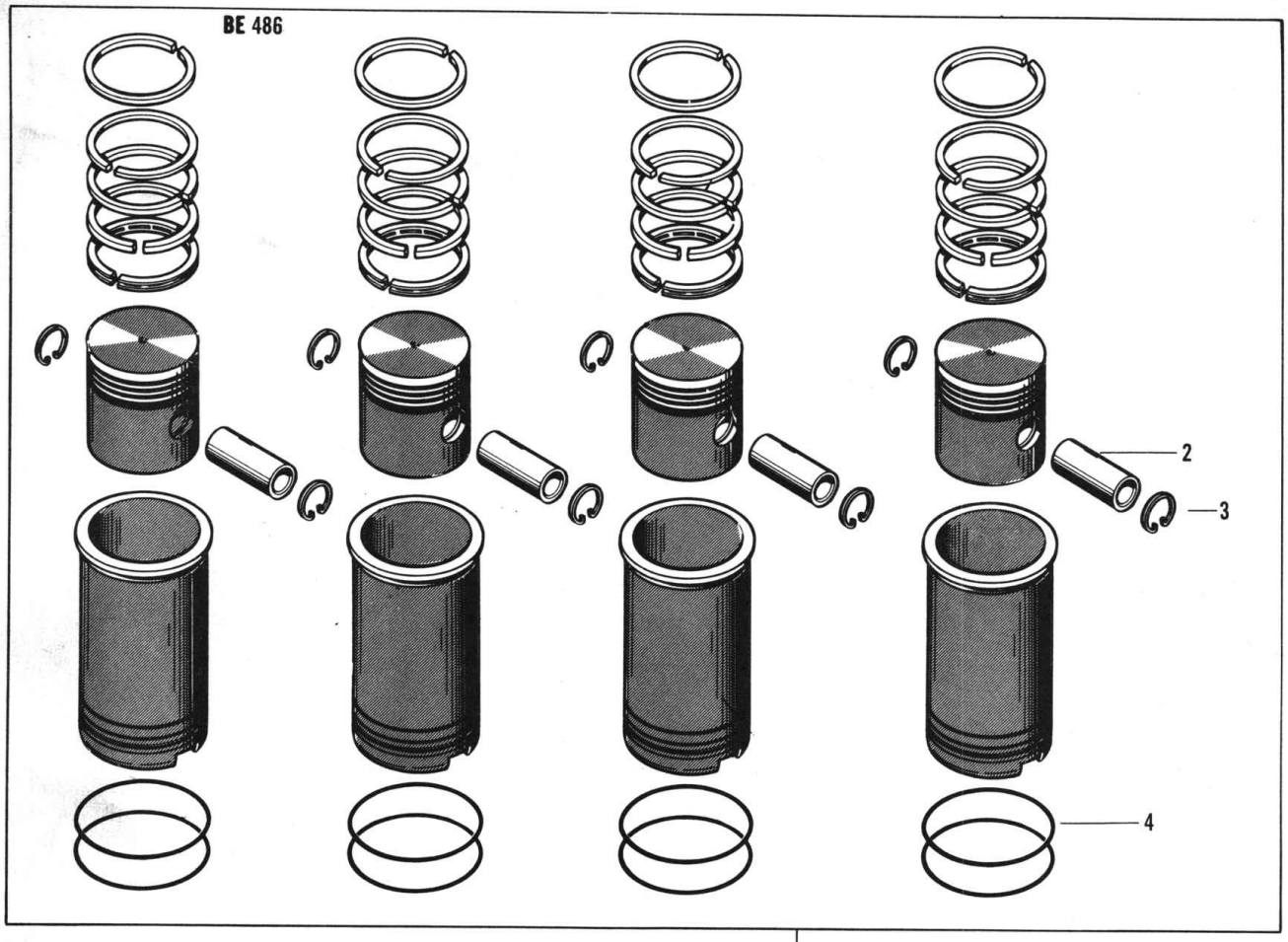
(677 353)

27	220 665 M91	Pre-Cleaner Assembly	1
28	1 508 880 M91	Cover Assembly	1
29	1 508 881 M1	Body (Clear Plastic)	1
30	1 508 882 M91	Base Assembly	1
31	193 742 M1	Tube, Air	1
32	193 743 M1	Ornament, Hood	1
33	193 744 M1	Seal, Hood Ornament	2
34	193 745 M1	Molding Hood	1
35	193 212 M1	Decal	1
36	353 990 X1	Screw, Ornament (1/4 x 3/4" NC, Rd. Hd.)	1
37	357 382 X1	Screw, Ornament (1/4 x 1-1/2" NC, Oval Hd.)	2
38	353 754 X1	Washer (1/4" Small Flat)	3
39	363 917 X1	Nut (1/4" NC, Half Hex.)	3

PRE-SCREENER

44	193 715 M91	Pre-Screener Assembly	1
45	1 015 842 M1	Screen	1
46	1 504 450 M1	Spring, Screen	2
47	1 504 449 M1	Clip, Spring Anchor	1

Note: (A) - For use on Tractors with Serial Number 685 394 and up. For Tractors prior to Serial Number 685 394 also order (1) 190 131 M1, Emblem and (3) 831 643 M1, Nuts.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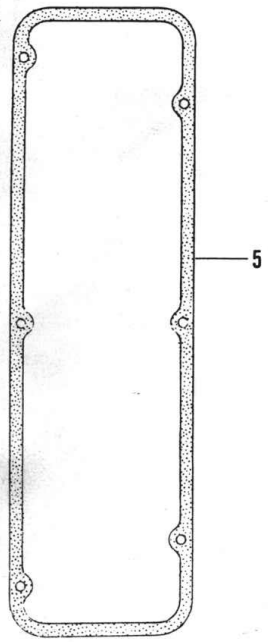
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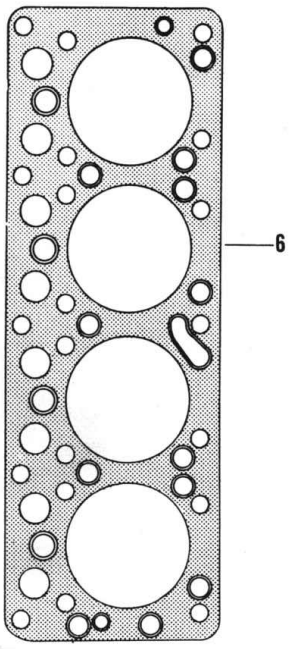
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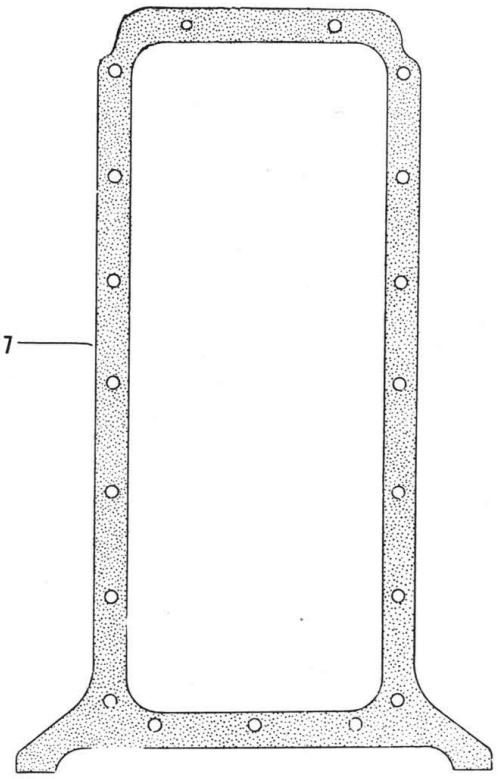
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HI-ALTITUDE CONVERSION (GAS)

(677 397)

Ref. No.	Part No.	Description	No. Req.
1	830 852 M91	Piston and Liner Set (Incl. Rings)	1
2	1 753 784 M1	Pin, Piston	4
3	17 675 A	Ring, Piston Pin	8
4	1 753 786 M1	Packing, Cylinder Liner	8
5	1 753 817 M1	Gasket, Cylinder Head Cover	1
6	1 753 818 M1	Gasket, Cylinder Head	1
7	1 753 804 M1	Gasket, Oil Pan	1

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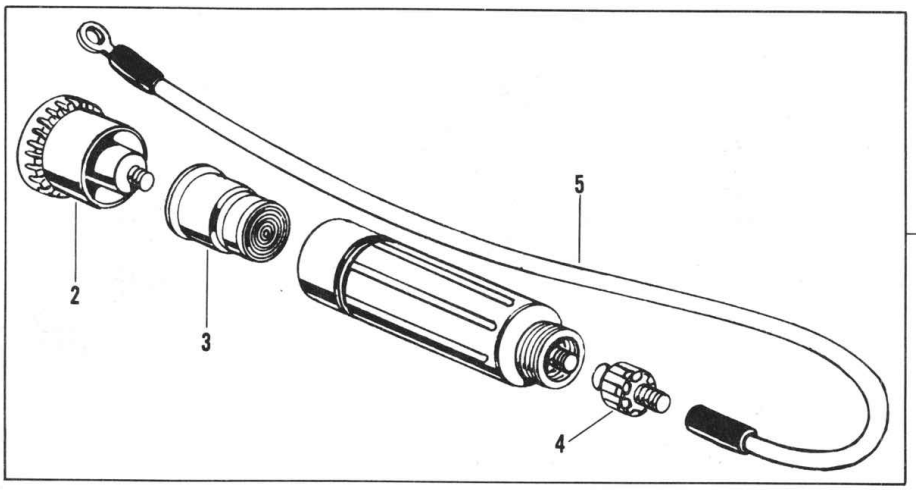

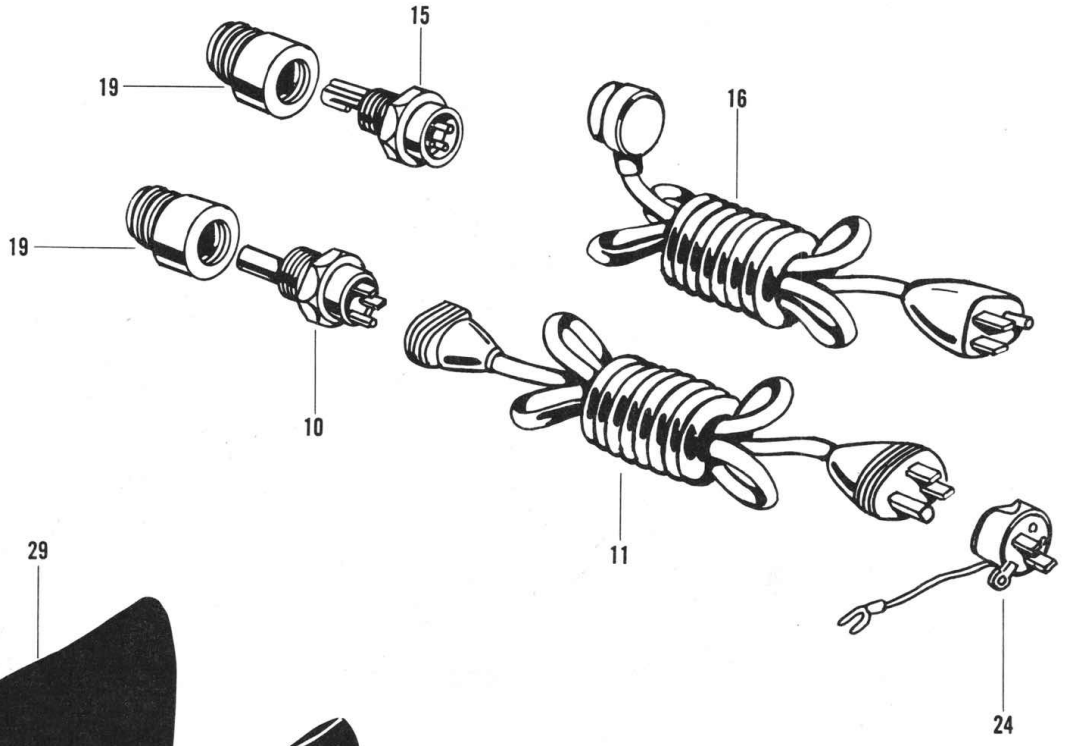

CIGARETTE LIGHTER

(677 277)

Ref. No.	Part No.	Description	No. Req.
1		Lighter Assembly (Order 677 277)	1
2	1 018 444 M91	Knob Assembly	1
3	1 018 445 M91	Element Assembly	1
4	1 018 875 M1	Fuse	1
5	1 022 704 M91	Wire Assembly (25" Long)	1

ENGINE HEATER

(677 399)

10		Heater, Engine (Carter) (Order 677 399)	1
11	194 343 M1	Cord, Heater (84" Long) (Carter)	1
15		Heater, Engine (G.E.) (Order 677 399)	1
16	191 283 M1	Cord, Heater (84" Long) (G.E.)	1
19 (A)	191 282 M1	Adapter, Heater Cord Ground	1

ENGINE HEATER ADAPTER

(677 309)

24		Adapter, Heater to Block (Order 677 309)	1

BATTERY WARMER

(677 394)

29		Warmer, Battery (Order 677 394)	1

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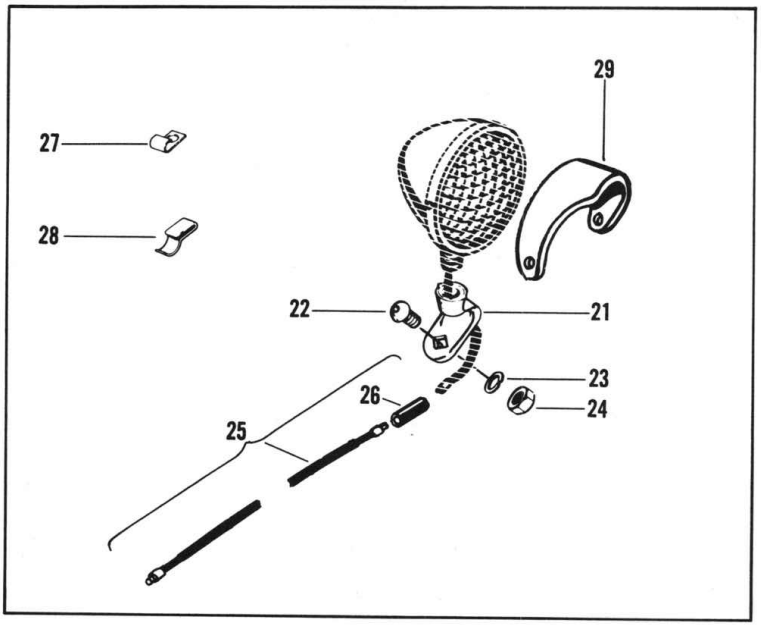

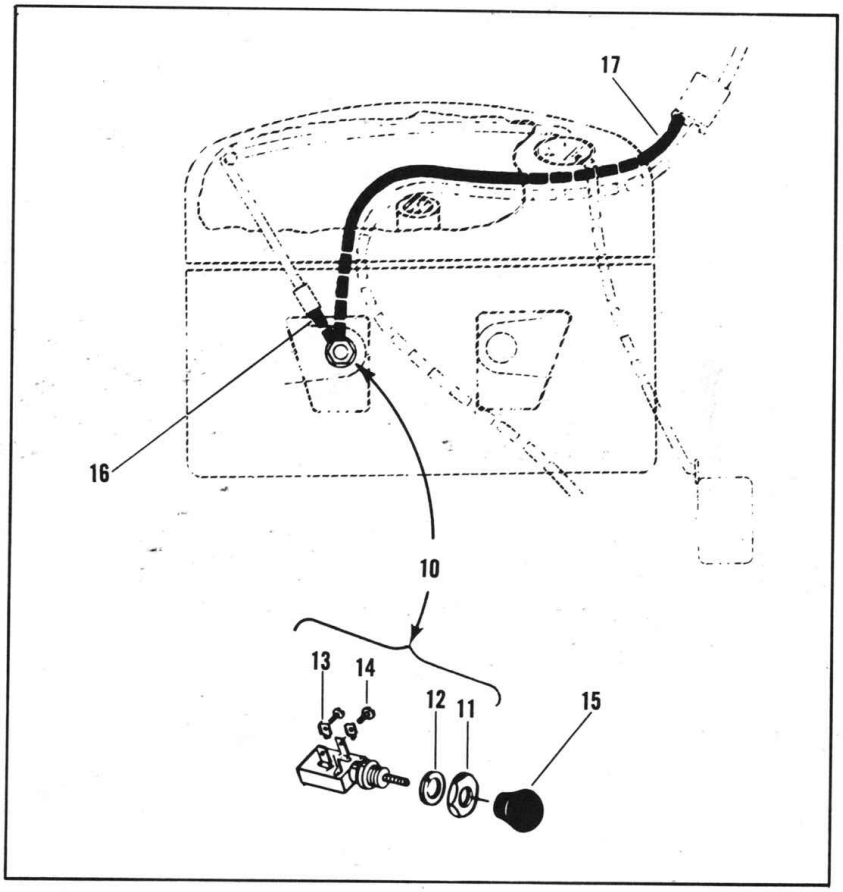

UNIVERSAL LAMP KIT (DIESEL SPECIAL)

(677 238)

Ref. No.	Part No.	Description	No. Req.
		Includes Items 1 thru 37 on Page 165.	

LIGHT SWITCH (DIESEL SPECIAL)

(677 268)

10	184 989 M91	Switch Assembly, Light	1
11	1 754 066 M1	Nut, Switch Retaining	1
12	1 754 067 M1	Washer, Switch	1
13	180 231 M1	Clip, Wire	2
14	353 975 X1	Screw, Clip (#8 - 32 x 1/4" Rd. Hd.)	2
15	186 959 M91	Knob Assembly, Switch	1
16	186 758 M91	Wire Assembly, Switch to Ammeter (6-5/8" Long)	1
17	186 760 M92	Wire Assembly, Switch to Lamp (19" Long)	1
	187 955 M1	Clip, Head Lamp Wire	1

FENDER MOUNTED HEAD LAMP CONVERSION

(677 355)

21	506 865 M1	Bracket, Lamp to Fender	2
22	186 230 M1	Bolt, Bracket (1/2" NF, Carr., Special)	2
23	353 439 X1	Washer (1/2" Lock)	2
24	353 438 X1	Nut (1/2" NF, Hex.)	2
25	186 217 M91	Wire Assembly	1
26	187 531 M91	Connector Assembly (2 Way)	1
27	506 182 M1	Clip, Wire	2
28	1 750 678 M1	Clip, Wire	2
29	1 754 666 M1	Visor, Head Lamp	2

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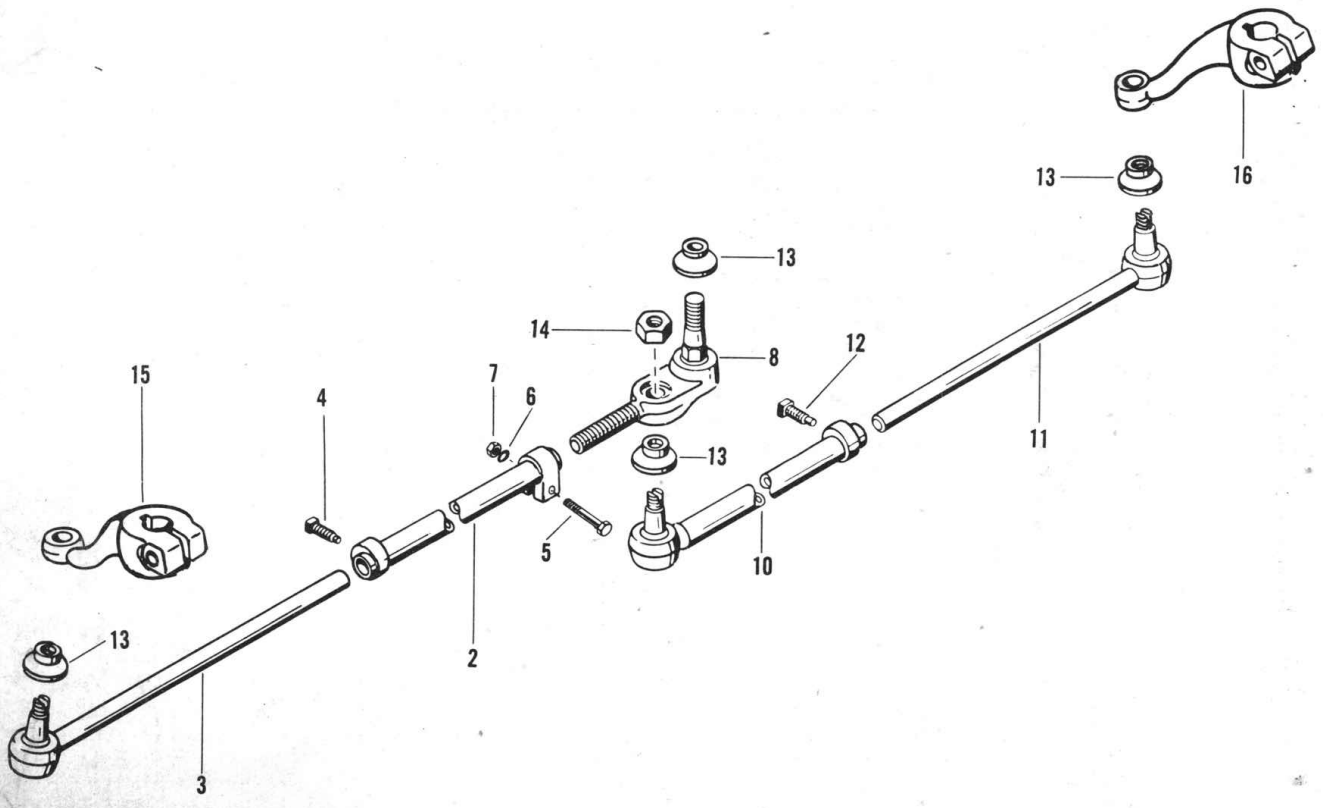

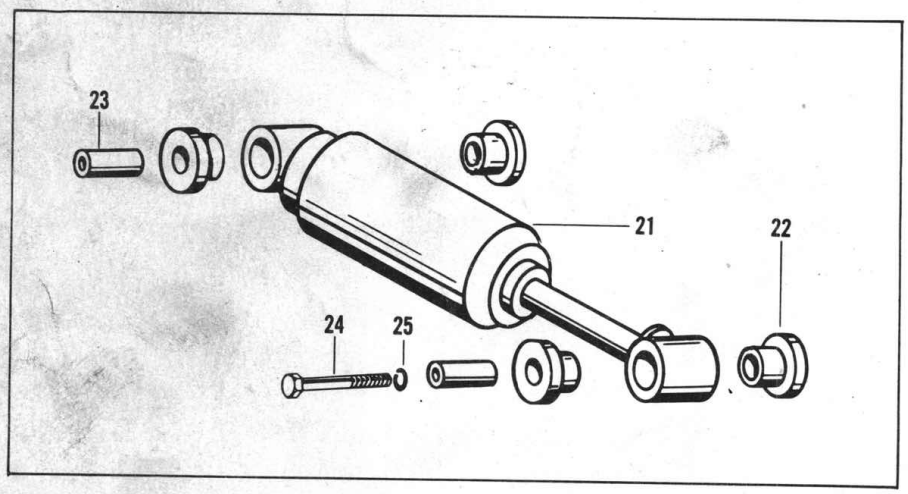

STEERING MODIFICATION (FOR FRONT MOUNTED PUMPS)

(677 503)

Ref. No.	Part No.	Description	No. Req.
	186 145 M92	Rod Assembly, Tie, Right	1
2	186 065 M91	Tube Assembly, Tie Rod (19-1/8" Long)	1
3	186 066 M91	Rod Assembly (16-5/32" Long)	1
4	196 058 M1	Screw, Set (3/8" - 16, Dog Pt. Sq. Hd.)	1
5	354 263 X1	Bolt, Clamp (3/8 x 1-5/8" NF, Hex.)	1
6	353 434 X1	Washer (3/8" Lock)	1
7	354 123 X1	Nut (3/8" NF, Hex.)	1
8	186 077 M92	End Assembly (6-1/2" Long)	1
	186 146 M91	Rod Assembly, Tie, Left	1
10	186 061 M91	Tube Assembly, Tie Rod (14-7/8" Long)	1
11	186 063 M91	Rod Assembly (14-7/8" Long)	1
12	196 058 M1	Screw, Set (3/8" - 16, Dog Pt. Sq. Hd.)	1
13	196 099 M1	Seal, Dust, Tie Rod Ends	4
14	356 961 X1	Nut, Tie Rod (5/8" NF, Half Hex.)	1
15	186 083 M3	Arm, Outer, Right	1
16	186 081 M3	Arm, Outer, Left	1
	192 206 M1	Stop, Steering Arm, Right (Welded to Axle Extension)	1
	192 207 M1	Stop, Steering Arm, Left (Welded to Axle Extension)	1

SHOCK ABSORBER

(677 448)

(USED W/677 447 SEAT)

21	1 024 168 M91	Shock Absorber Assembly	1
22	833 251 M1	Bushing, Shock Absorber	4
23	192 949 M1	Spacer	2
24	353 510 X1	Bolt (1/4 x 1-5/8" NF, Hex.)	2
25	353 441 X1	Washer (1/4" Lock)	2

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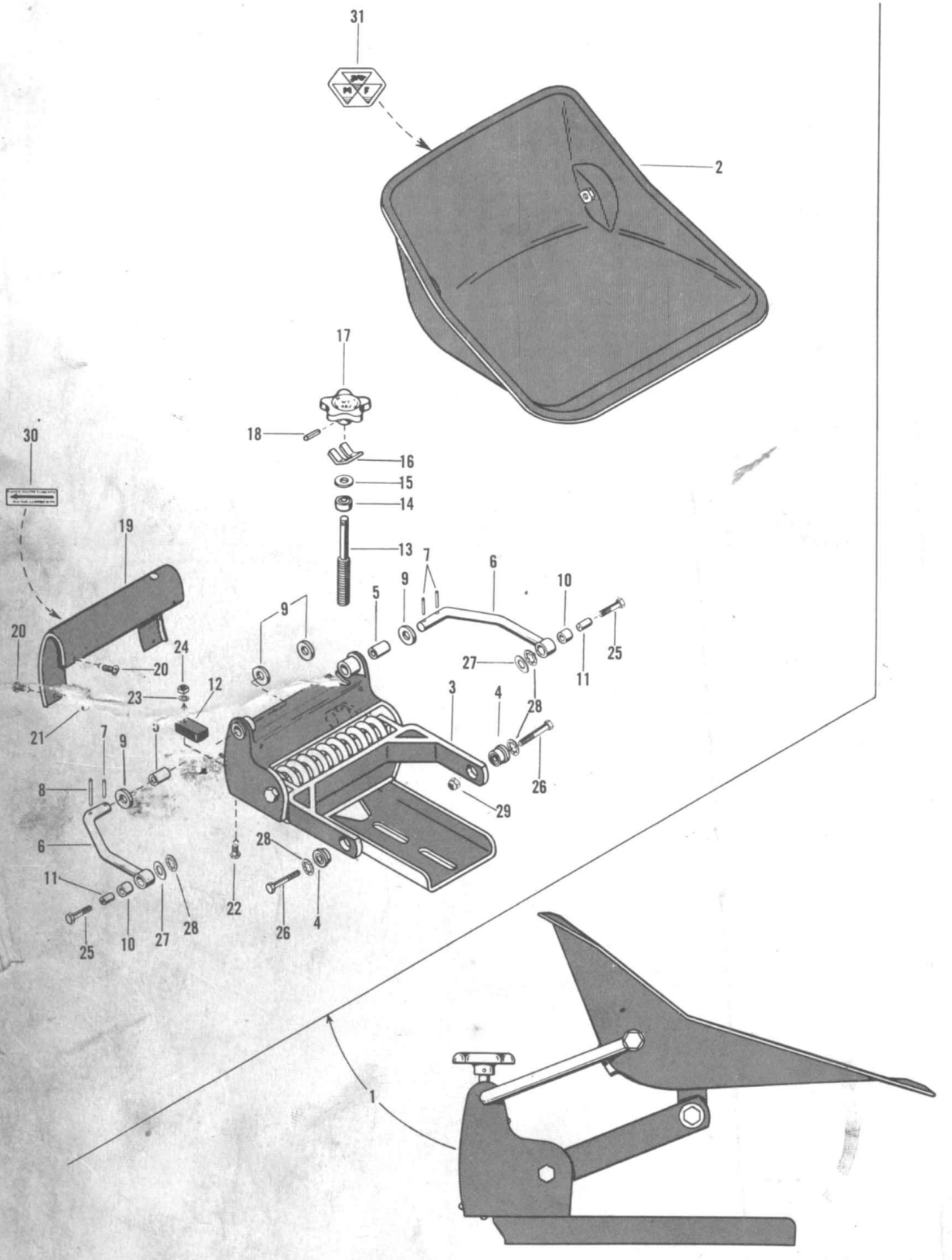
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SEAT

(SPRING SUSPENSION)

(677 447)

Ref No.	Part No.	Description	No. Req.
1(A)	506 973 M91	Seat Assembly (Order Whole Goods Number 677 447)	1
2	507 097 M92	Pan Assembly, Seat	1
3	1 024 169 M91	Support Assembly	1
4	832 984 M1	Bushing (3/8 x 7/16 x 1" Flanged)	2
5	832 986 M1	Bushing (5/8 x 7/8 x 1")	2
6	1 024 172 M91	Arm Assembly, Upper	2
7	22 807 X	Pin (1/8 x 1" Roll)	3
8	363 517 X1	Pin (1/8 x 1-3/8" Roll)	1
9	1 750 034 M1	Washer (5/8 x 1-1/8 x 1/16")	4
10	832 664 M1	Bushing (9/16 x 11/16 x 3/4")	2
11	1 021 928 M1	Spacer (25/64 x 9/16 x 25/32")	2
12	1 024 174 M1	Pad, Shock (Rubber)	1
13	1 015 873 M1	Screw, Weight Adjusting (5/8" - 11 x 6")	1
14	1 015 875 M1	Bearing, Thrust	1
15	353 757 X1	Washer (7/16" Flat)	1
16	1 021 930 M1	Plate, Thrust	1
17	1 015 874 M1	Knob, Adjusting Screw	1
18	22 807 X	Pin, Knob (1/8 x 1" Roll)	1
19	1 024 173 M1	Cover, Seat Suspension	1
20	350 103 X1	Bolt (#10 - 24 Rd. Sltd. Hd.)	4
21	356 935 X1	Nut (#10 - 24 Sheet Metal)	2
22	353 985 X1	Bolt (3/16 x 1" Rd. Sltd. Hd.)	1
23	353 753 X1	Washer (3/16" Flat)	
24	354 120 X1	Nut (3/16" Sq.)	
25	353 539 X1	Bolt (3/8 x 1-1/8" NF, Hex.)	
26	353 542 X1	Bolt (3/8 x 1-1/2" NF, Hex.)	
27	353 756 X1	Washer (3/8" Flat)	
28	22 764 X	Washer (3/8" Int. Skpf.)	
29	195 586 M1	Nut (3/8" Hex., Self Lock)	
30	192 815 M1	Decal, "Seat Instruction"	
31	196 363 M1	Decal, "Trademark"	

Note: (A) - Part Number shown for reference only. Do not order for repairs.